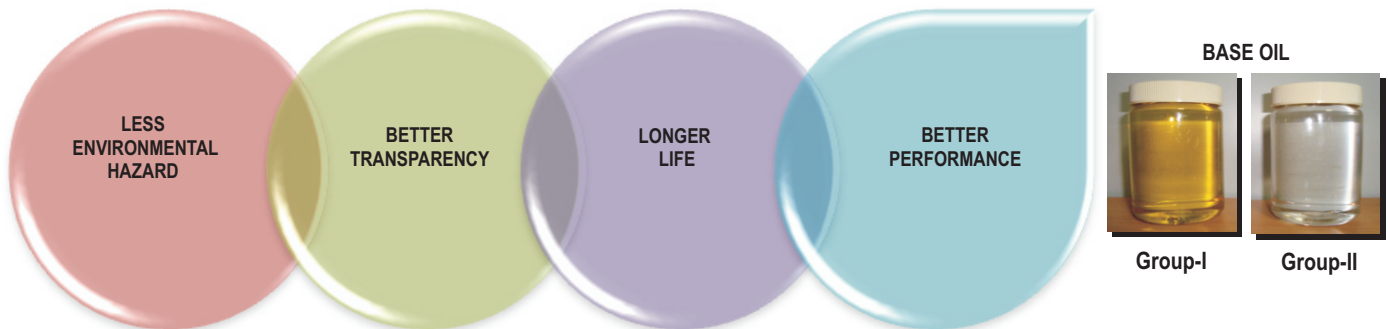


1. CONDITION THAT INDUSTRIAL LUBRICANT SHOULD MEET

1. Viscosity index should be higher - viscosity change by oil's temperature change should be low.
2. Lubricating ability should be good - mainly at machine sliding parts.
3. Oxidation stability should be good - should not change in quality or thermal decomposition
4. Must prevent rust against various metals
5. Should not be noxious about rubber or coating material
6. Bubble occurrence should be less and when happens should turn off easily

2. OUR QUALITY

YBI Industrial lubricants are manufactured from high quality, highly purified base oils (Group-II) for the following reasons,



3. PRODUCT INFORMATION

3-1. FIRE RESISTANT HYDRAULIC OIL

PRODUCT	APPEARANCE	pH	VISCOSITY (40°C, mm ² /s)	VISCOSITY INDEX	WATER CONTENT	POUR POINT (°C)	ANTI- CORROSIVE TEST
YBI BELHYDRO YWG-138	Reddish transparent	8.3 ~ 10.5	38 ± 1.9	200	40.0 ± 3	- 35	Pass
YBI BELHYDRO YWG-168	Reddish transparent	8.5 ~ 10.5	68 ± 6.8	200	40.0 ± 3	-30	Pass

3.2. GENERAL PURPOSE MACHINERY OIL

PRODUCT	APPEARANCE	VISCOSITY (40°C, mm ² /s)	VISCOSITY (100°C, mm ² /s)	VISCOSITY INDEX	FLASH POINT (°C)	POUR POINT (°C)	ANTI- CORROSIVE TEST
YBI GPO-15	Yellow transparent	15 ± 1.5	3.3	90	160	-3	Pass
YBI GPO-32	Yellow transparent	32 ± 3.2	5.4	95	200	-6	Pass
YBI GPO-46	Colorless transparent	46 ± 4.6	7.0	95	210	-6	Pass
YBI GPO-68	Colorless transparent	68 ± 6.8	9.2	95	210	-6	Pass
YBI GPO-100	Colorless transparent	100 ± 10	11.1	95	230	-6	Pass
YBI GPO-150	Yellowish brown transparent	150 ± 15	15.2	90	240	-3	Pass

3.3. ANTI-WEAR HYDRAULIC OIL

PRODUCT	APPEARANCE	VISCOSITY (40°C, mm ² /s)	VISCOSITY (100°C, mm ² /s)	VISCOSITY INDEX	FLASH POINT (°C)	POUR POINT (°C)	ANTI- CORROSIVE TEST
YBI BELHYDRO YHB-10	Light yellow transparent	10 ± 1.0	2.7	95	150	-6	Pass
YBI BELHYDRO YHB-12	Light yellow transparent	12 ± 1.2	3.0	95	150	-6	Pass
YBI BELHYDRO YHB-22	Light yellow transparent	22 ± 2.2	4.4	100	160	-21	Pass
YBI BELHYDRO YHB-32	Light yellow transparent	32 ± 3.2	5.7	90	200	-18	Pass
YB IBELHYDRO YHB-46	Light yellow transparent	46 ± 4.6	7.1	95	200	-18	Pass
YB I BELHYDRO YHB-68	Light yellow transparent	68 ± 6.8	9.3	95	210	-18	Pass
YBI BELHYDRO YHB-100	Yellow transparent	100 ± 10	12.0	90	220	-6	Pass
YBI BELHYDRO YHB-150	Yellow transparent	150 ± 15	15.5	90	244	-6	Pass
YBI BELHYDRO YHB-220	Yellow transparent	220 ± 22	19.8	90	240	-6	Pass
YBI BELHYDRO YHB-320	Yellow transparent	320 ± 32	24.7	90	240	-6	Pass
YBI BELHYDRO YHB-460	Yellow transparent	460 ± 46	29.6	90	260	-6	Pass

3.4 HEAVY DUTY HYDRAULIC OIL

PRODUCT	APPEARANCE	VISCOSITY (40°C, mm ² /s)	VISCOSITY (100°C, mm ² /s)	VISCOSITY INDEX	FLASH POINT (°C)	POUR POINT (°C)	ANTI- CORROSIVE TEST
YBI BELHYDRO HLP-32	Yellow transparent	32 ± 3.2	5.5	100	200	-21	Pass
YBI BELHYDRO HLP-46	Yellow transparent	46 ± 4.6	7.6	100	200	-21	Pass
YBI BELHYDRO HLP-68	Yellow transparent	68 ± 6.8	9.6	100	210	-21	Pass

3.5 SLIDE OIL

PRODUCT	APPEARANCE	VISCOSITY (40°C, mm ² /s)	VISCOSITY (100°C, mm ² /s)	VISCOSITY INDEX	FLASH POINT (°C)	POUR POINT (°C)	ANTI- CORROSIVE TEST
YBI BELHYDRO HS-32	Light yellow transparent	32 ± 3.2	5.7	95	200	-21	Pass
YBI BELHYDRO HS-46	Light yellow transparent	46 ± 4.6	7.1	95	200	-21	Pass
YBI BELHYDRO HS-68	Light yellow transparent	68 ± 6.8	9.3	95	210	-21	Pass
YBI BELHYDRO HS-220	Yellow transparent	220 ± 22	19.2	90	220	-18	Pass

3.6 COMPRESSOR OIL

PRODUCT	APPEARANCE	VISCOSITY (40°C, mm ² /s)	VISCOSITY (100°C, mm ² /s)	VISCOSITY INDEX	FLASH POINT (°C)	POUR POINT (°C)	ANTI- CORROSIVE TEST
YBI BELHYDRO YCO-32	Yellow transparent	32 ± 3.2	5.5	100	200	-21	Pass
YBI BELHYDRO YCO-46	Yellow transparent	46 ± 4.6	7.6	100	200	-21	Pass
YBI BELHYDRO YCO-68	Yellow transparent	68 ± 6.8	9.6	100	210	-21	Pass
YBI BELHYDRO YCO-100	Yellow transparent	100 ± 10	12.0	90	220	-6	Pass
YBI BELHYDRO YCO-150	Yellow transparent	150 ± 15	15.5	90	240	-6	Pass
YBI BELHYDRO YCO-220	Yellow transparent	220 ± 22	19.8	90	240	-6	Pass

3.7 SPINDLE OIL

PRODUCT	APPEARANCE	VISCOSITY (40°C, mm ² /s)	VISCOSITY (100°C, mm ² /s)	VISCOSITY INDEX	FLASH POINT (°C)	POUR POINT (°C)	ANTI- CORROSIVE TEST
YBI BELHYDRO SPIN-2	Light yellow transparent	2.0 ± 0.2	-	-	90	-10	Pass
YBI BELHYDRO SPIN-5	Light yellow transparent	4.6 ± 0.46	-	-	80	-6	Pass
YBI BELHYDRO SPIN-10	Yellow transparent	10 ± 1.0	2.69	95	150	-6	Pass
YBI BELHYDRO SPIN-12	Light Yellow transparent	12 ± 1.2	3.0	95	150	-6	Pass

3.8 GEAR OIL

PRODUCT	APPEARANCE	VISCOSITY (40°C, mm ² /s)	VISCOSITY (100°C, mm ² /s)	VISCOSITY INDEX	FLASH POINT (°C)	POUR POINT (°C)	ANTI- CORROSIVE TEST
YBI BELHYDRO GR-68	Light Yellow transparent	68 ± 6.8	9.2	90	200	-3	Pass
YBI BELHYDRO GR-100	Yellow transparent	100 ± 10.0	11.5	90	200	-3	Pass
YBI BELHYDRO GR-150	Yellow transparent	150 ± 15	15.2	90	200	-3	Pass
YBI BELHYDRO GR-220	Yellow transparent	220 ± 22	19.4	90	220	-3	Pass
YBI BELHYDRO GR-320	Yellow transparent	320 ± 32	24.5	90	220	-3	Pass
YBI BELHYDRO GR-460	Yellow transparent	460 ± 46	29.2	85	230	-3	Pass