

CUSTOMER INFORMATION :

Name :		Adress :	
Mail :			
Phone :			
Sample location :		Order n° :	

UNIT INFORMATION :

Component ID :		Lubricant :	IGOL SONHYDRO
S/N :			
Distribution :	PROPORTIONNELLE Bâche (L) :	Grade :	46

SAMPLE INFORMATION :

Sampling point :	Tracking number :	H160284			
	Sample ID :	01261186			
	Receipt date :	26/01/23			
	Sample date :				
	Machine hours :				
	Oil hours :				
	Drain (D) / Sampling (S) :				

DIAGNOSIS**X****Diagnosis****Appearance/Color**

clear orange

OIL CONDITION

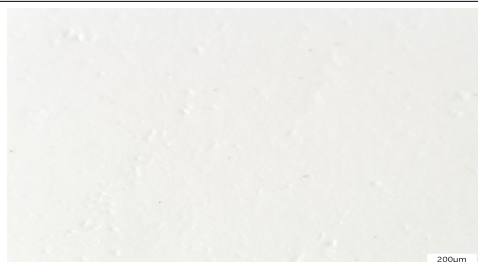
	Method	Units	Limits	Results	Results	Results	Results
Kinematic Viscosity at 40°C :	ASTM D445	mm2/s	< 41,4 / 50,6<	49,1			
Kinematic Viscosity at 100°C :	ASTM D445	mm2/s		7,43			
Viscosity index :	ASTM D2270			113			
Acid number :	ASTM D974	mg KOH / g	< 1,0	0,32			

CONTAMINANTS

	Method	Units	Limits	Results	Results	Results	Results
Water content :	ASTM D6304	ppm	< 500	55			
Filtration 0,8µm + photography if abnormal pollutants	NF E 48-652	mg/L	< 500	42			
Particle count (ISO 4406) :	ASTM D7596		≤ 17/15/12	15/12/>7			
Si	ASTM D5185	ppm	< 10	3			
Na	ASTM D5185	ppm	< 10	3			

WEAR BY ICP OES

	Method	Units	Limits	Results	Results	Results	Results
Wear metals :							
Al	ASTM D5185	ppm	< 10	0			
Fe	ASTM D5185	ppm	< 10	3			
Cu	ASTM D5185	ppm	< 10	13			
Pb	ASTM D5185	ppm	< 10	0			
Sn	ASTM D5185	ppm	< 10	0			
Cr	ASTM D5185	ppm	< 10	2			
Ni	ASTM D5185	ppm	< 10	0			
Ag	ASTM D5185	ppm	< 5	0			
Cd	ASTM D5185	ppm	< 5	0			
Ti	ASTM D5185	ppm	< 5	0			
V	ASTM D5185	ppm	< 5	0			
Additives :							
Ca	ASTM D5185	ppm		389			
Zn	ASTM D5185	ppm		371			
Mg	ASTM D5185	ppm		7			
P	ASTM D5185	ppm		312			

Photography**COMMENTS**

Only copper is just limit, to follow. Other parameters are satisfactory. Lubricant has good properties.

Date of writing :

20/10/23

NM = No Measurable

M.D