

ACCOUNT INFORMATION :

Company name :		Adress :	
Email :			
Phone number :			

COMPONENT INFORMATION :

Component name :	PORT SAILDRIVE	Lubricant :	CAT DEO
NS :		Grade :	15W40
Tank volume (L) :			

SAMPLE INFORMATION :

Sampling point :	GAUJE	Tracking number :	G116044			NEW
		Sample number :	1005293	0519939		
		Date of received :	05/10/23	19/05/23		
		Date of sampling :	02/10/23	18/04/23		
		Total machine hours :	3 437	3282		
		Lubricant service hours :	155	174		
		Drain (D) / Sampling (S) :	D	D		

SEVERITY STATUS LEVEL**X**

	Status	Standards	Unit	Limits	Results	Results	Results
OIL CONDITION :	X				clear orange	clear amber	clear yellow
Viscosity at 40°C :		ASTM D445	mm2/s		78,08	65,31	108,12
Viscosity at 100°C :		ASTM D445	mm2/s		10,64	9,37	13,95
Viscosity index :					122	122	130
Acid number :		ASTM D974	mg KOH / g	< 1,0	1,98	1,44	1,8

	Status	Standards	Units	Limits	Results	Results	Results
CONTAMINATION :	X						
Water content :		ASTM D6304	ppm	<2000/5000<	2627	2083	1700
Filtration 5µm + photography if abnormal pollution		NF E 48-652	mg/L	< 500	<10	48	/
Si		ASTM D5185	ppm	< 30/60 <	3	3	7
Na		ASTM D5185	ppm		2	0	0

	Status	Standards	Units	Limits	Results	Results	Results
SPECTROMETRIC ANALYSIS	X						
Metal of wear :							
Al		ASTM D5185	ppm	< 8 / 16 <	0	0	0
Fe		ASTM D5185	ppm	<60 / 250 <	2	4	0
Cu		ASTM D5185	ppm	< 150 / 900 <	47	207	0
Pb		ASTM D5185	ppm		0	0	0
Sn		ASTM D5185	ppm		0	0	0
Cr		ASTM D5185	ppm		0	0	0
Ni		ASTM D5185	ppm		0	0	0
Ag		ASTM D5185	ppm		0	0	0
Cd		ASTM D5185	ppm		0	0	0
Ti		ASTM D5185	ppm		0	0	0
Vn		ASTM D5185	ppm		0	0	0
Additives :							
Ca		ASTM D5185	ppm		1578	1 467	1 201
Zn		ASTM D5185	ppm		1195	1 079	1 212
Mg		ASTM D5185	ppm		1130	474	976
P		ASTM D5185	ppm		1313	997	1 193

Photography filtration	COMMENT
no contaminant	<p>The water content is a little high, certainly due to condensation, value to be monitored. The viscosities are too low for a 15W40 grade lubricant, fluid shearing being certainly the cause. The other data is satisfactory and does not show abnormal wear.</p> <p><i>This report is only valid if the value of the viscosity at 40°C corresponds to ISO grade oil analyzed at ± 10%</i></p> <p>Time of writing : 17/10/23 NM = Non Mesurable</p>