

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id 425172 Component

Diesel Engine

PETRO CANADA DURON SHP 15W40 (44 QTS)

		u ,		Jun2023	Dec2023		
DIAGNOSIS	SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Recommendation	Sample Number		Client Info		GFL0104134	GFL0084889	
Resample at the next service interval to monitor.	Sample Date		Client Info		04 Dec 2023	22 Jun 2023	
Wear	Machine Age	hrs	Client Info		28150	558307	
All component wear rates are normal.	Oil Age	hrs	Client Info		28150	558307	
Contamination	Oil Changed		Client Info		N/A	Changed	
There is no indication of any contamination in the	Sample Status				NORMAL	SEVERE	
oil.	CONTAMINATIO	NC	method	limit/base	current	history1	history2
Fluid Condition	Fuel		WC Method	>6.0	<1.0	<1.0	
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the	Water		WC Method		NEG	NEG	
oil is suitable for further service.	Glycol		WC Method		NEG	NEG	
	WEAR METALS		method	limit/base	ourropt	history1	bioton/2
							history2
		ppm	ASTM D5185m		12	<u>▲</u> 140	
		ppm	ASTM D5185m		<1	2	
		ppm	ASTM D5185m	>2	0	0	
		ppm	ASTM D5185m	0	0	88	
		ppm	ASTM D5185m		0 E	0	
		ppm	ASTM D5185m ASTM D5185m		5 0	15	
		ppm	ASTM D5185m		2	6	
		ppm ppm	ASTM D5185m		0	1	
		ppm	ASTM D5185m	>15	0	2	
	.	ppm	ASTM D5185m		0	0	
		ppm			-		
	ADDITIVES		method	limit/base		history1	history2
		ppm	ASTM D5185m		15	45	
		ppm	ASTM D5185m		0	0	
		ppm	ASTM D5185m		58	3	
	-	ppm	ASTM D5185m		<1	1	
	-	ppm	ASTM D5185m		827	442	
		ppm	ASTM D5185m		1258 988	1935	
		ppm	ASTM D5185m ASTM D5185m	1150 1270	1191	1019 1286	
		ppm ppm	ASTM D5185m	2060	3084	4328	
							h la tama 0
	CONTAMINANT		method	limit/base		history1	history2
	- ···	ppm	ASTM D5185m	>25	4	7	
		ppm	ASTM D5185m	00	3	8	
		ppm	ASTM D5185m	>20	15	10	
	INFRA-RED		method	limit/base	current	history1	history2
	Soot %	%	*ASTM D7844	>3	0.3	7.8	
	Nitration	Abs/cm	*ASTM D7624	>20	6.6	60.8	
	Sulfation	Abs/.1mm	*ASTM D7415	>30	18.8	73.1	
	FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
	Oxidation	Abs/.1mm	*ASTM D7414	>25	14.8	135.8	

Base Number (BN) mg KOH/g ASTM D2896 9.8

0.0

8.3



81 cSt (100°C) A

12

10

Ba

Abnorma

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scalar

scalar

*Visual

*Visual

NONE

NONE

NONE

NONE

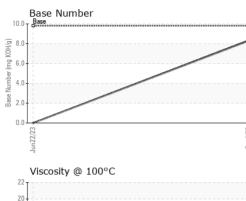
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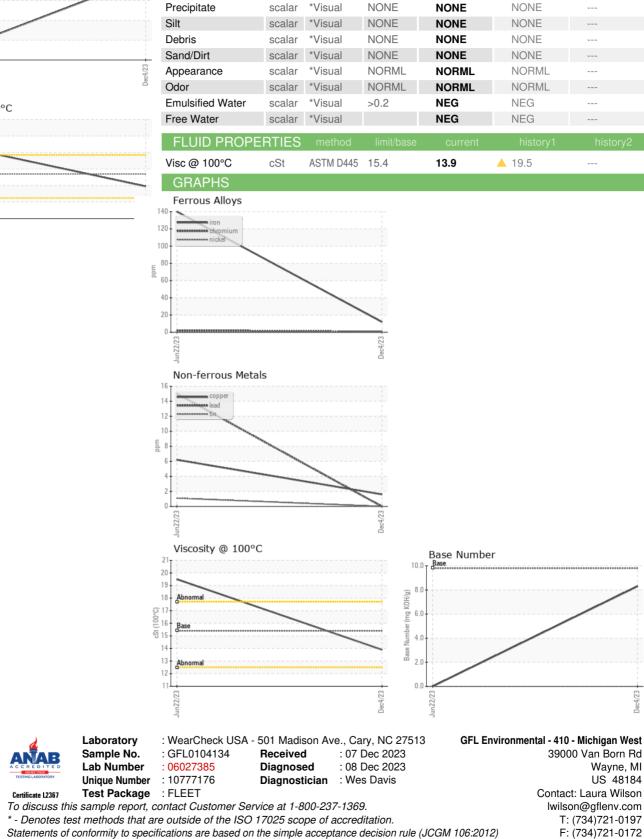
NONE

VISUAL

White Metal

Yellow Metal





Contact/Location: Laura Wilson - GFL410