

OIL ANALYSIS REPORT

Sample Rating Trend





Machine Id 639M Component

Fluid

Diesel Engine

PETRO CANADA DURON SHP 15W40 (--- GAL)

		GAL)		Dec2023	Mar2024		
DIAGNOSIS	SAMPLE INFO	RMATION	method	limit/base	current	history1	history
Recommendation	Sample Number		Client Info		GFL0104285	GFL0059303	
Resample at the next service interval to monitor.	Sample Date		Client Info		04 Mar 2024	07 Dec 2023	
Wear	Machine Age	hrs	Client Info		2405	2403	
All component wear rates are normal.	Oil Age	hrs	Client Info		600	2403	
Contamination There is no indication of any contamination in the oil.	Oil Changed		Client Info		Changed	Changed	
	Sample Status				NORMAL	NORMAL	
	CONTAMINA	TION	method	limit/base	current	history1	history
Fluid Condition The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Fuel		WC Method	>3.0	<1.0	<1.0	
	Water		WC Method	>0.2	NEG	NEG	
	Glycol		WC Method		NEG	NEG	
	WEAR META	LS	method	limit/base	current	history1	history
	Iron	ppm	ASTM D5185m	>120	78	40	
	Chromium	ppm	ASTM D5185m	>20	1	2	
	Nickel	ppm	ASTM D5185m	>5	<1	0	
	Titanium	ppm	ASTM D5185m	>2	0	0	
	Silver	ppm	ASTM D5185m	>2	<1	0	
	Aluminum	ppm	ASTM D5185m	>20	9	3	
	Lead	ppm	ASTM D5185m	>40	0	1	
	Copper	ppm	ASTM D5185m	>330	11	3	
	Tin	ppm	ASTM D5185m	>15	2	0	
	Vanadium	ppm	ASTM D5185m		0	0	
	Cadmium	ppm	ASTM D5185m		0	0	
	ADDITIVES		method	limit/base	current	history1	history
	Boron	ppm	ASTM D5185m	0	<1	<1	
	Barium	ppm	ASTM D5185m	0	0	0	
	Molybdenum	ppm	ASTM D5185m	60	60	53	
	Manganese	ppm	ASTM D5185m	0	2	<1	
	Magnesium	ppm	ASTM D5185m	1010	924	953	
	Calcium	ppm	ASTM D5185m	1070	1062	1023	
	Phosphorus	ppm	ASTM D5185m	1150	966	1007	
	Zinc	ppm	ASTM D5185m		1232	1198	
	Sulfur	ppm	ASTM D5185m	2060	2050	2722	
	CONTAMINA	NTS	method	limit/base	current	history1	history
	Silicon	ppm	ASTM D5185m	>25	23	7	
	Sodium	ppm	ASTM D5185m		15	38	
	Potassium	ppm	ASTM D5185m	>20	3	<1	
	INFRA-RED		method	limit/base	current	history1	history
	Soot %	%	*ASTM D7844	>4	1.2	1	
	Nitration	Abs/cm	*ASTM D7624	>20	13.3	13.5	
	Sulfation	Abs/.1mm	*ASTM D7415	>30	24.6	24.8	
	FLUID DEGRA	ADATION	method	limit/base	current	history1	history
	Oxidation	Abs/.1mm	*ASTM D7414	>25	24.8	25.2	

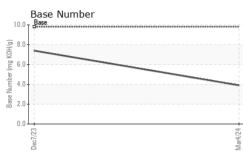
Base Number (BN) mg KOH/g ASTM D2896 9.8

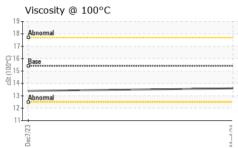
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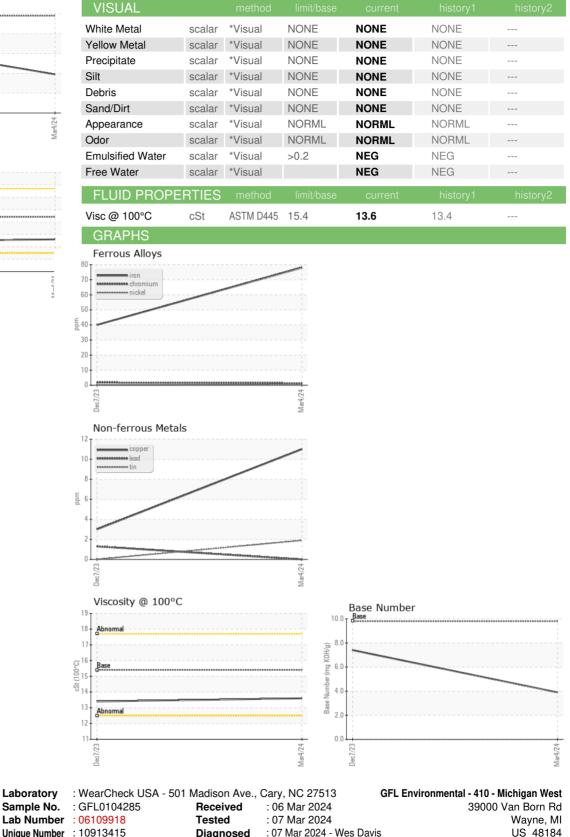
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Diagnosed Test Package : FLEET Contact: Belal Dgheish Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. bdgheish@gflenv.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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