

OIL ANALYSIS REPORT

Sample Rating Trend





Machine Id **757M** Component **Diesel Engine** Fluid

PETRO CANADA DURON SHP 15W40 (33 GAL)

	SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
	Sample Number		Client Info		GFL0104141	GFL0104133	GFL005931
nitor.	Sample Date		Client Info		15 Dec 2023	04 Dec 2023	27 Nov 2023
	Machine Age	hrs	Client Info		9650	9569	9517
	Oil Age	hrs	Client Info		9650	0	0
	Oil Changed		Client Info		N/A	N/A	N/A
the	Sample Status				NORMAL	NORMAL	NORMAL
	CONTAMINA	ΓΙΟΝ	method	limit/base	current	history1	history2
	Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
e of the	Water		WC Method	>0.2	NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	WEAR METAI	_S	method	limit/base	current	history1	history2
	Iron	ppm	ASTM D5185m	>75	5	8	10
	Chromium	ppm	ASTM D5185m	>5	<1	<1	<1
	Nickel	ppm	ASTM D5185m	>4	0	0	5
	Titanium	ppm	ASTM D5185m	>2	0	0	<1
	Silver	ppm	ASTM D5185m	>2	0	0	0
	Aluminum	ppm	ASTM D5185m	>15	1	2	2
	Lead	ppm	ASTM D5185m		0	0	<1
	Copper	ppm	ASTM D5185m		0	<1	4
	Tin	ppm	ASTM D5185m		<1	0	<1
	Vanadium	ppm	ASTM D5185m		<1	0	0
	Cadmium	ppm	ASTM D5185m		<1	0	0
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185m	0	0	12	71
	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m	60	59	55	52
	Manganese	ppm	ASTM D5185m		0	<1	<1
	Magnesium	ppm	ASTM D5185m	1010	1003	807	541
	Calcium	ppm	ASTM D5185m		1093	1190	1737
	Phosphorus	ppm	ASTM D5185m	1150	1099	956	1071
	Zinc	ppm	ASTM D5185m		1317	1167	1218
	Sulfur	ppm	ASTM D5185m		3297	2863	3437
	CONTAMINA	NTS	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185m	>25	3	4	7
	Sodium	ppm	ASTM D5185m		6	3	0
	Potassium	ppm	ASTM D5185m	>20	2	2	1
	INFRA-RED		method	limit/base	current	history1	history2
	Soot %	%	*ASTM D7844	>6	0.2	0.3	1
	Nitration	Abs/cm	*ASTM D7624		6.8	6.6	10.0
	Sulfation	Abs/.1mm	*ASTM D7415		18.4	18.8	22.4
	FLUID DEGRA		method	limit/base	current	history1	history2

Abs/.1mm *ASTM D7414 >25

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

14.6

8.6

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

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.

Oxidation

19.1

5.6

14.8

8.3

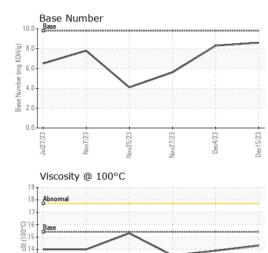


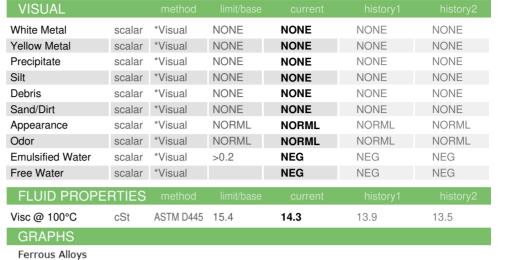
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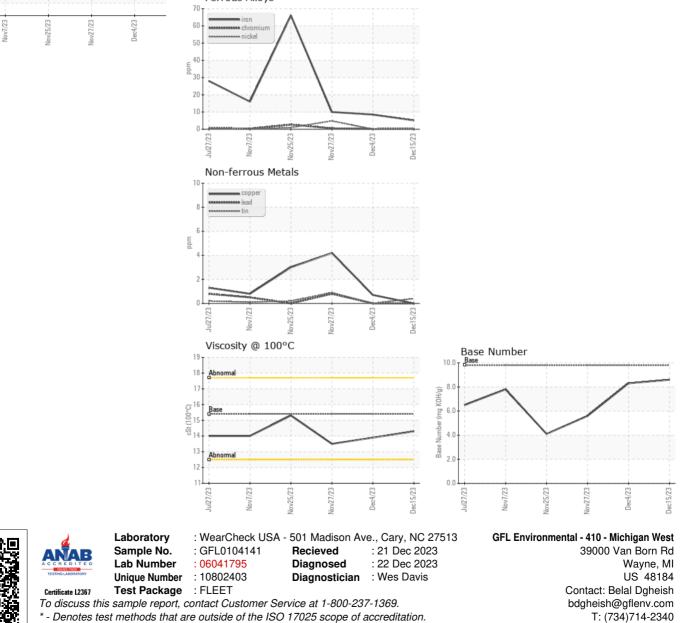
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Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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