

OIL ANALYSIS REPORT

Sample Rating Trend





Component

Diesel Engine

PETRO CANADA DURON XL SYN BLEND 15W40 (--- GAL)

DIAGNOSIS

Recommendation

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.

SAMPLE INFORMAT	ION method	limit/base	current	history1	history2
Sample Number	Client Info		GFL0084288	GFL0077611	GFL0063767
Sample Date	Client Info		20 Jul 2023	24 May 2023	12 Jan 2023
Machine Age km	s Client Info		207140	202049	8278
Oil Age km	s Client Info		0	0	317
Oil Changed	Client Info		N/A	N/A	Changed
Sample Status			NORMAL	NORMAL	NORMAL
CONTAMINATION	method	limit/base	current	history1	history2
Fuel	WC Method	>5	<1.0	<1.0	<1.0
Glycol	WC Method		NEG	NEG	NEG
WEAR METALS	method	limit/base	current	history1	history2
Iron ppr	m ASTM D5185(m)	>80	7	20	13
Chromium ppr			<1	<1	<1
Nickel ppr		>2	0	0	<1
Titanium ppr			0	<1	<1
Silver ppr		>3	0	0	0
Aluminum ppr			2	6	6
Lead ppr		>30	0	0	0
Copper ppr		>150	<1	<1	<1
Tin ppr		>5	0	0	0
Antimony ppr			0	0	0
Vanadium ppr			0	0	0
Beryllium ppr	m ASTM D5185(m)		0	0	0
Cadmium ppr	m ASTM D5185(m)		0	0	0
ADDITIVES	method	limit/base	current	history1	history2
Boron ppr	m ASTM D5185(m)	1	2	2	2
Barium ppr		1	0	0	0
Molybdenum ppr	m ASTM D5185(m)	60	55	56	54
Manganese ppr	m ASTM D5185(m)	1	<1	<1	<1
Magnesium ppr	m ASTM D5185(m)	1010	914	893	884
Calcium ppr	m ASTM D5185(m)	1070	989	1094	1020
Phosphorus ppr	m ASTM D5185(m)	1150	1025	1039	1008
Zinc ppr	m ASTM D5185(m)	1270	1139	1128	1096
Sulfur ppr	m ASTM D5185(m)	2060	2499	2510	2495
Lithium ppr	m ASTM D5185(m)		<1	<1	<1
CONTAMINANTS	method	limit/base	current	history1	history2
Silicon ppr	m ASTM D5185(m)	>20	3	5	4
Sodium ppr	m ASTM D5185(m)		1	1	2
Deterritori		~~	.1	1	1
Potassium ppr	m ASTM D5185(m)	>20	<1	I	1
INFRA-RED	n ASTM D5185(m) method	>20 limit/base	current	history1	history2
INFRA-RED Soot % %	method	limit/base	current	history1	history2



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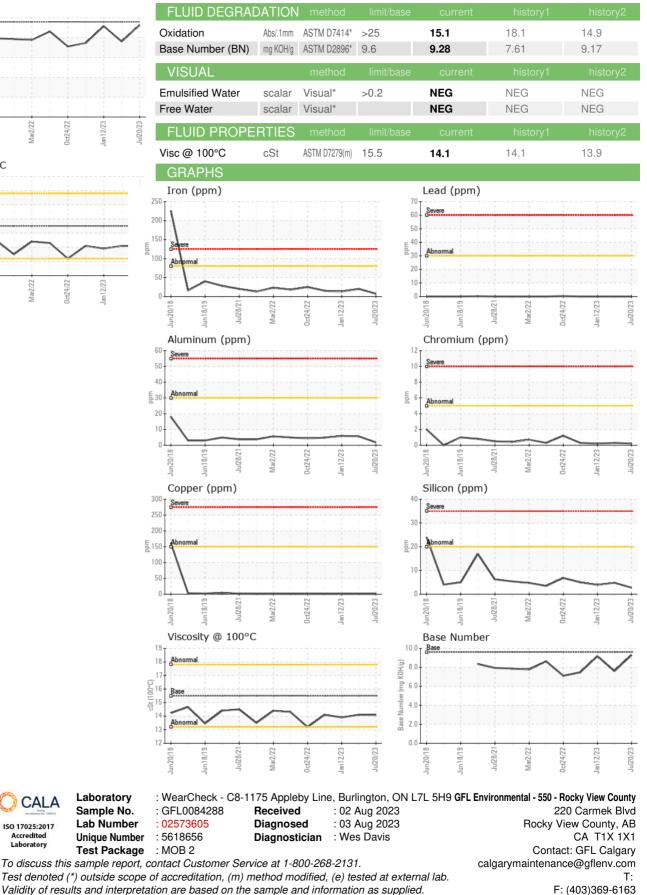
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OIL ANALYSIS REPORT

Base Number 10.0 T Base (mg KOH/g) 8 6. umbe Base 2 (0.0 0ct24/22 Jan 12/23 -Jul20/23 Mar2/22 Viscosity @ 100°C 19 18 cSt (100°C)

Var2/77

lan 12/23



CALA

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Laboratory

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