

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id 913181 Component

Diesel Engine

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

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

Metal levels are typical for a new component breaking in.

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.

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SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0088401	GFL0088425	GFL0088381
Sample Date		Client Info		15 Aug 2023	24 Jul 2023	30 Jun 2023
Machine Age	hrs	Client Info		900	755	613
Oil Age	hrs	Client Info		613	613	420
Oil Changed		Client Info		N/A	N/A	Changed
Sample Status				NORMAL	NORMAL	ABNORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Glycol		WC Method		NEG	NEG	NEG
-	0		11 11 11			
WEAR METAL	.5	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>120	22	15	51
Chromium	ppm	ASTM D5185m	>20	<1	<1	1
Nickel	ppm	ASTM D5185m	>5	2	<1	<u> </u>
Titanium	ppm	ASTM D5185m	>2	<1	0	<1
Silver	ppm	ASTM D5185m	>2	1	<1	<1
Aluminum	ppm	ASTM D5185m	>20	2	2	<1
Lead	ppm	ASTM D5185m	>40	<1	0	<1
Copper	ppm	ASTM D5185m	>330	14	13	72
Tin	ppm	ASTM D5185m	>15	1	<1	3
Vanadium	ppm	ASTM D5185m		<1	0	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	6	11	137
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	60	65	68	113
Manganese	ppm	ASTM D5185m	0	1	<1	5
Magnesium	ppm	ASTM D5185m	1010	959	992	783
Calcium	ppm	ASTM D5185m	1070	1149	1168	1515
Phosphorus	ppm	ASTM D5185m	1150	972	1057	771
Zinc	ppm	ASTM D5185m	1270	1204	1282	979
Sulfur	ppm	ASTM D5185m	2060	3388	3731	2925
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	10	11	5 9
Sodium	ppm	ASTM D5185m		2	2	3
Potassium	ppm	ASTM D5185m	>20	3	2	10
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>4	0.6	0.4	0.8
Nitration	Abs/cm	*ASTM D7624		7.2	6.4	10.4
Sulfation	Abs/.1mm	*ASTM D7415		19.8	19.3	25.2
FLUID DEGRA			limit/base	current	history1	history2
Oxidation						21.9
UNIUALIUN				1/1 6		
Base Number (BN)	Abs/.1mm	*ASTM D7414		14.6	14.5	
Base Number (BN)		ASTM D7414		14.6 7.8	8.6	8.3



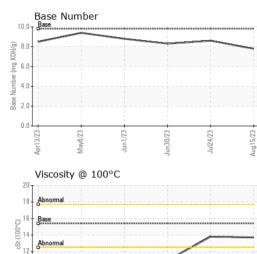
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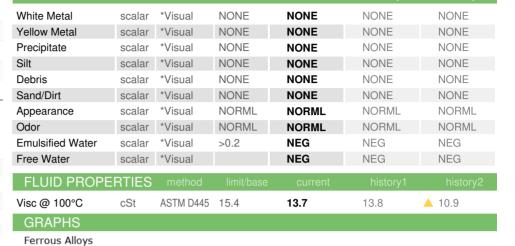
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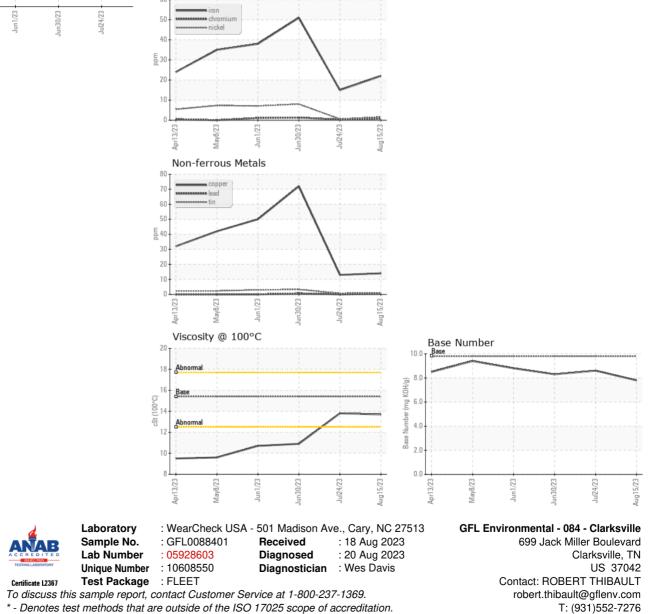
May8/23

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VISUAL







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

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