

OIL ANALYSIS REPORT

Sample Rating Trend

GLYCOL

Machine Id

822009-160

Component Diesel Engine Fluid

PETRO CANADA DURON SHP 15W40 (32 QTS)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. We recommend an early resample to monitor this condition.

🔺 Wear

The aluminum level is abnormal. All other component wear rates are normal.

Contamination

Sodium and/or potassium levels remain high. Test for glycol is negative.

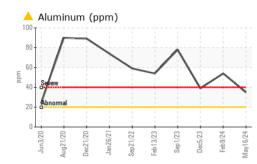
Fluid Condition

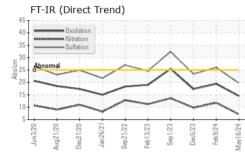
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

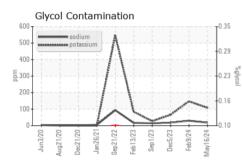
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0114581	GFL0096505	GFL0096487
Sample Date		Client Info		16 May 2024	09 Feb 2024	05 Dec 2023
Machine Age	hrs	Client Info		16136	15998	15789
Oil Age	hrs	Client Info		119	600	369
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
CONTAMINATIO	ON	method	limit/base	current	history1	history2
Fuel		WC Method	>2.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	34	63	47
-	ppm	ASTM D5185m	>20	<1	1	<1
	ppm	ASTM D5185m	>4	0	<1	0
	ppm	ASTM D5185m		0	0	0
	ppm	ASTM D5185m	>3	0	0	0
	ppm	ASTM D5185m	>20	4 35	<u> </u>	A 39
	ppm	ASTM D5185m	>40	1	2	0
Copper	ppm	ASTM D5185m	>330	4	13	9
	ppm	ASTM D5185m	>15	<1	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	9	6	7
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	60	72	72	70
•	ppm	ASTM D5185m	0	<1	1	0
-	ppm	ASTM D5185m	1010	955	910	955
	ppm	ASTM D5185m	1070	1106	1048	1094
	ppm	ASTM D5185m	1150	1068	959	1007
	ppm		1270	1237	1171	1253
	ppm	ASTM D5185m	2060	3556	2876	2935
CONTAMINANT	S	method	limit/base	current	history1	history2
	ppm	ASTM D5185m	>25	5	6	5
	ppm	ASTM D5185m		18	30	18
	ppm	ASTM D5185m	>20	A 108	▲ 147	▲ 66
,	%	*ASTM D2982		NEG	NEG	NEG
INFRA-RED		method	limit/base	current	history1	history2
	%	*ASTM D7844	>3	0.9	2.5	2.1
	Abs/cm	*ASTM D7624		7.1	11.8	9.8
	Abs/.1mm	*ASTM D7415	>30	19.7	26.0	23.4
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
	Abs/.1mm	*ASTM D7414	>25	14.5	19.4	17.3
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	9.7	7.7	9.1

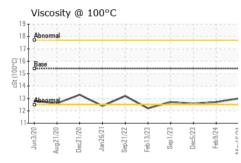


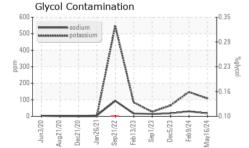
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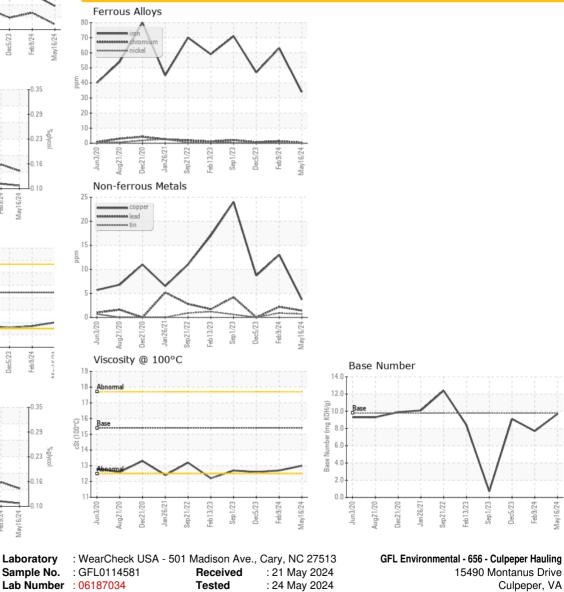








VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPE	RTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	15.4	13.0	12.7	12.6
GRAPHS						





	Unique Number : 11043786	Diagnosed	: 24 May 2024 - Jonathan Hester			
5	Certificate L2367 Test Package : FLEET (Additional	Tests: Glycol)				
3	To discuss this sample report, contact Customer Service at 1-800-237-1369.					
E	* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.					
r	Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)					

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Laboratory

Submitted By: Matt Hanna

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