

OIL ANALYSIS REPORT

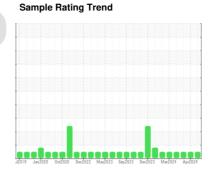


Area (81J0TW) 423036-402352

Component

Diesel Engine

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







DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

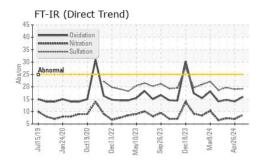
Fluid Condition

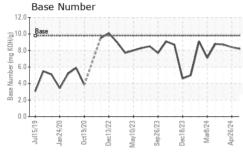
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

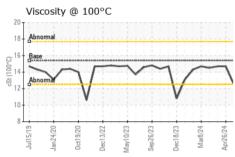
SAMPLE INFORMA	ATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		GFL0120170	GFL0117253	GFL0117156	
Sample Date		Client Info		24 May 2024	26 Apr 2024	22 Apr 2024	
Machine Age	nrs	Client Info		14515	14358	14337	
	nrs	Client Info		0	600	0	
Oil Changed		Client Info		Not Changd	Changed	Not Changd	
Sample Status				NORMAL	NORMAL	NORMAL	
CONTAMINATIC	N	method	limit/base	current	history1	history2	
Fuel		WC Method	>5	<1.0	<1.0	<1.0	
Water		WC Method	>0.2	NEG	NEG	NEG	
Glycol		WC Method		NEG	NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2	
Iron p	opm	ASTM D5185m	>80	35	14	16	
	opm	ASTM D5185m	>5	4	1	<1	
	opm	ASTM D5185m	>2	1	0	0	
	opm	ASTM D5185m		<1	0	0	
	opm	ASTM D5185m	>3	1	0	0	
'	opm	ASTM D5185m	>30	6	7	8	
	opm	ASTM D5185m	>30	1	0	0	
	opm	ASTM D5185m	>150	2	<1	3	
		ASTM D5185m	>5	1	<1	0	
	opm	ASTM D5185m	>0	ı <1	0	0	
	opm						
<u> </u>	opm	ASTM D5185m		<1	0	0	
ADDITIVES		method	limit/base	current	history1	history2	
	opm	ASTM D5185m	0	4	6	5	
	opm		0	0	0	0	
	opm	ASTM D5185m	60	56	63	63	
	opm	ASTM D5185m	0	1	<1	<1	
Magnesium p	opm	ASTM D5185m	1010	849	955	944	
Calcium	opm	ASTM D5185m	1070	1086	1129	1143	
Phosphorus p	opm	ASTM D5185m	1150	960	1049	1036	
Zinc p	opm	ASTM D5185m	1270	1135	1282	1262	
Sulfur p	opm	ASTM D5185m	2060	3217	3592	3328	
CONTAMINANT	S	method	limit/base	current	history1	history2	
Silicon	opm	ASTM D5185m	>20	17	5	6	
Sodium p	opm	ASTM D5185m		5	1	0	
Potassium p	opm	ASTM D5185m	>20	10	1	0	
INFRA-RED		method	limit/base	current	history1	history2	
Soot %	%	*ASTM D7844	>3	0.5	0.6	0.7	
Nitration A	Abs/cm	*ASTM D7624	>20	8.7	7.0	7.3	
Sulfation A	Abs/.1mm	*ASTM D7415	>30	19.2	19.0	19.7	
FLUID DEGRADATION method limit/base current history1 history2							
Oxidation A	Abs/.1mm	*ASTM D7414	>25	16.0	14.1	14.7	
	ng KOH/g	ASTM D2896	. = -	8.2	8.4	8.7	
	0						



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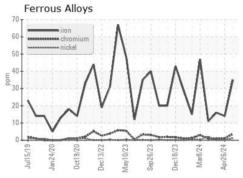


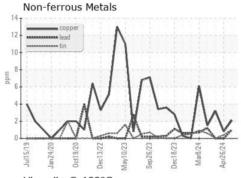


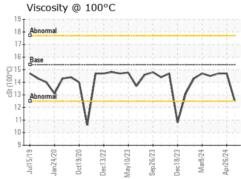
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	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

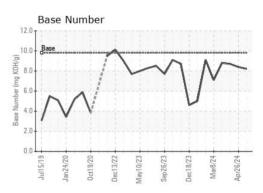
FLUID PROPE	ERTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.4	12.5	14.7	14.7

GRAPHS













Certificate 12367

Laboratory Sample No.

: GFL0120170 Lab Number : 06193661 Unique Number : 11050413 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 29 May 2024

Tested : 30 May 2024

Diagnosed : 30 May 2024 - Sean Felton

GFL Environmental - 836 - Kansas City Hauling 7801 East Truman Road Kansas City, MO

US 64126

Contact: Loyce Stewart loyce.stewart@gflenv.com

To discuss this sample report, contact Customer Service at 1-800-237-1369. * - 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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