FLEET LUBE 360 OIL DIAGNOSTICS

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
{UNASSIGNED}
Machine Id
322002-880
Component
Gasoline Engine
Fluid
PETRO CANADA DURON SHP 15W40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: Services completed)

WEAR

All component wear rates are normal.

CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

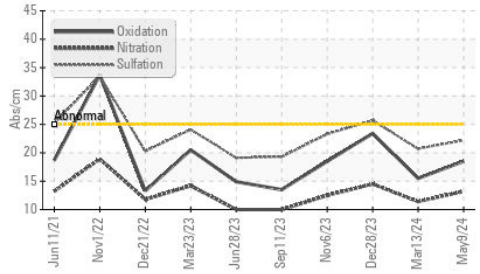
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0116248	GFL0101653	GFL0094872
Sample Date		Client Info		09 May 2024	13 Mar 2024	28 Dec 2023
Machine Age	mls	Client Info		252686	251056	246852
Oil Age	mls	Client Info		5830	4200	7898
Filter Age	mls	Client Info		5830	4200	7898
Oil Changed		Client Info		Changed	Not Changd	Changed
Filter Changed		Client Info		Changed	Not Changd	Changed
Sample Status				NORMAL	NORMAL	NORMAL
Iron	ppm	ASTM D5185m	>150	31	25	38
Chromium	ppm	ASTM D5185m	>20	1	1	3
Nickel	ppm	ASTM D5185m	>5	<1	<1	<1
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>40	4	4	6
Lead	ppm	ASTM D5185m	>50	<1	<1	0
Copper	ppm	ASTM D5185m	>155	1	<1	1
Tin	ppm	ASTM D5185m	>10	<1	<1	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>30	11	11	15
Potassium	ppm	ASTM D5185m	>20	3	<1	<1
Fuel	%	ASTM D3524	>4.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844		0.1	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	13.2	11.4	14.5
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.2	20.7	25.7
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
Sodium	ppm	ASTM D5185m	>400	5	4	5
Boron	ppm	ASTM D5185m	0	31	35	22
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	60	65	69	57
Manganese	ppm	ASTM D5185m	0	1	<1	2
Magnesium	ppm	ASTM D5185m	1010	426	458	448
Calcium	ppm	ASTM D5185m	1070	806	830	812
Phosphorus	ppm	ASTM D5185m	1150	518	600	507
Zinc	ppm	ASTM D5185m	1270	559	594	585
Sulfur	ppm	ASTM D5185m	2060	2538	2640	2095
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.5	15.5	23.4
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	3.9	3.5	3.0
Visc @ 100°C	cSt	ASTM D445	15.4	7.6	7.9	7.8

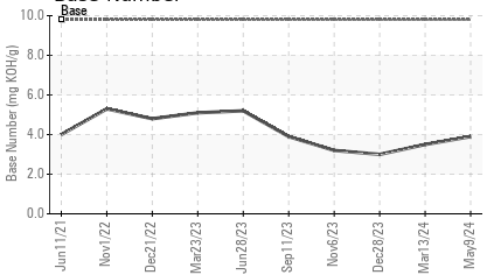
Report Id: GFL625 [WUSCAR] 06178159 (Generated: 05/15/2024 17:13:14) Rev: 1

Submitted By: also GFL632 and GFL638 - Glenda Standen

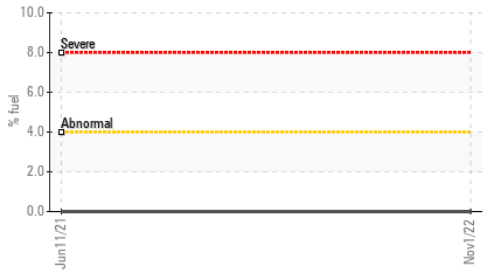
FT-IR (Direct Trend)



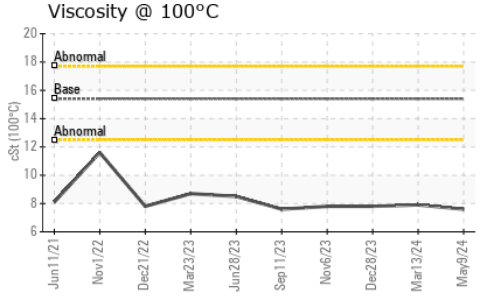
Base Number



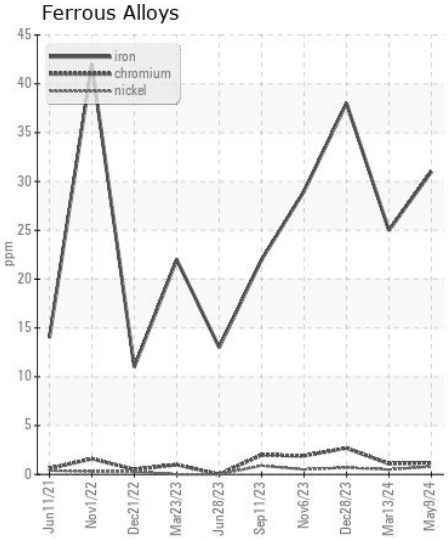
Fuel Dilution



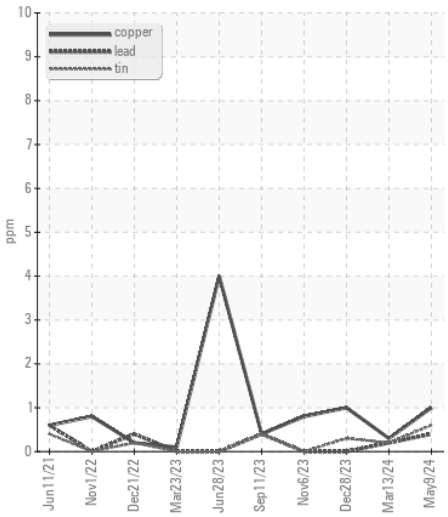
Viscosity @ 100°C



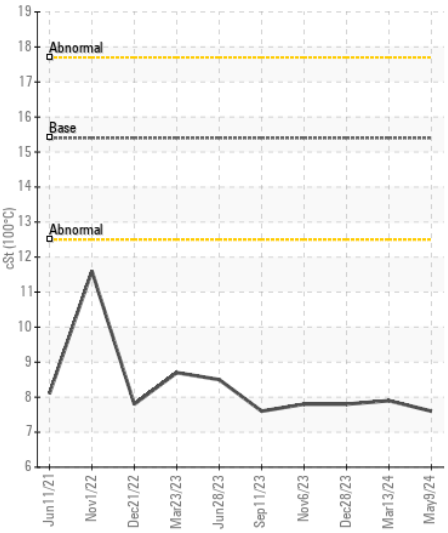
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 100°C



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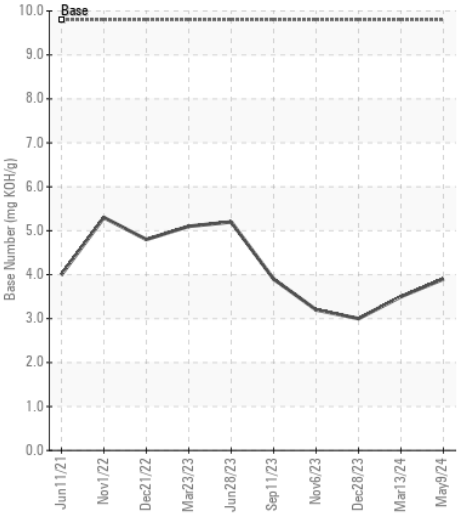

Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : GFL0116248
Lab Number : 06178159
Unique Number : 11029485
Test Package : FLEET (Additional Tests: FuelDilution)

Received : 13 May 2024
Tested : 15 May 2024
Diagnosed : 15 May 2024 - Sean Felton

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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