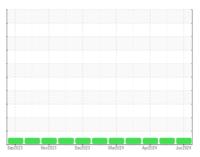


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
821083
Component

Diesel Engine

PETRO CANADA DURON SHP 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

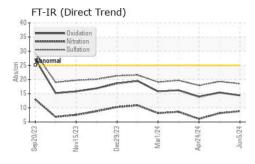
Fluid Condition

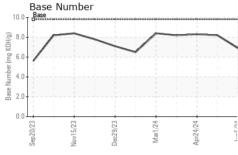
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

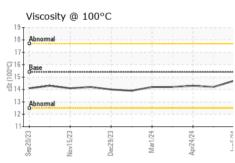
AL)		Sep 2023	Nov2023 Dec2023	Mar2024 Apr2024	Jun2024	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0117922	GFL0117934	GFL0117950
Sample Date		Client Info		05 Jun 2024	15 May 2024	24 Apr 2024
Machine Age	hrs	Client Info		2094	1988	1847
Oil Age	hrs	Client Info		356	250	109
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
uel		WC Method	>5	<1.0	<1.0	<1.0
Vater		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>100	14	14	2
Chromium	ppm	ASTM D5185m	>20	<1	<1	0
Nickel	ppm	ASTM D5185m	>4	0	0	0
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m	>3	0	<1	0
Aluminum	ppm	ASTM D5185m		3	4	1
ead	ppm	ASTM D5185m	>40	<1	0	0
Copper	ppm	ASTM D5185m		2	1	0
īin	ppm	ASTM D5185m	>15	<1	0	<1
/anadium	ppm	ASTM D5185m		<1	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	10	0	3
Barium	ppm	ASTM D5185m		0	0	0
Nolybdenum	ppm	ASTM D5185m	60	63	61	60
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m	1010	692	1025	976
Calcium	ppm	ASTM D5185m	1070	1189	1137	1112
Phosphorus	ppm	ASTM D5185m	1150	988	1059	1102
Zinc	ppm	ASTM D5185m	1270	1132	1298	1283
Sulfur	ppm	ASTM D5185m	2060	3059	3642	3486
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm		>25	6	9	3
Sodium	ppm	ASTM D5185m	00	3	5	2
Potassium	ppm	ASTM D5185m	>20	5	2	<1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.4	0.4	0.2
Nitration	Abs/cm	*ASTM D7624	>20	8.8	8.1	6.1
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.5	19.3	17.9
FLUID DEGRA	OATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.4	15.4	13.9

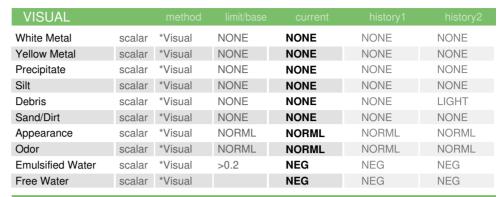


OIL ANALYSIS REPORT



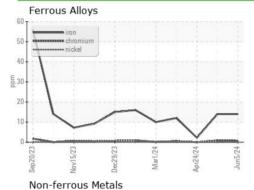


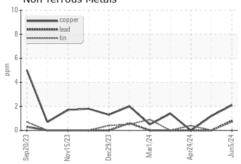


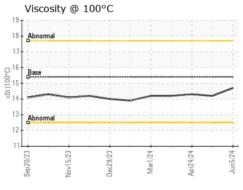


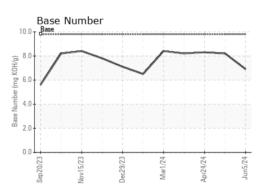
FLUID PROPERTIES		method			history1	history2	
Visc @ 100°C	cSt	ASTM D445	15.4	14.7	14.2	14.3	

GRAPHS













Certificate 12367

Laboratory Sample No.

Test Package : FLEET

: GFL0117922 Lab Number : 06202321 Unique Number : 11069782

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 06 Jun 2024 **Tested** : 10 Jun 2024 Diagnosed : 10 Jun 2024 - Wes Davis

GFL Environmental - 892 - Pauls Valley Hauling 1910 S CHICKASAW STREET

Pauls Valley, OK US 73075

Contact: Tony Graham tgraham2@wcamerica.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)

Report Id: GFL892 [WUSCAR] 06202321 (Generated: 06/10/2024 17:05:27) Rev: 1

Contact/Location: Tony Graham - GFL892

T:

F: