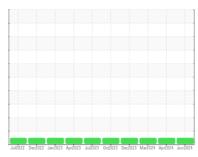


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



722032Component
Diesel Engine

Machine Id

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

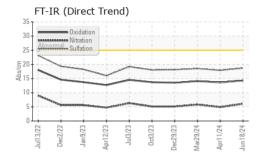
Fluid Condition

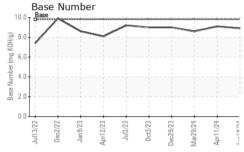
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

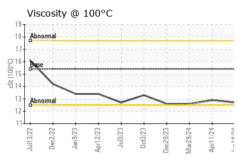
,						
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0121124	GFL0103115	GFL0103109
Sample Date		Client Info		18 Jun 2024	11 Apr 2024	29 Mar 2024
Machine Age	hrs	Client Info		40498	40451	40445
Oil Age	hrs	Client Info		150	250	250
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	.S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>150	16	5	14
Chromium	ppm	ASTM D5185m	>15	0	<1	0
Nickel	ppm	ASTM D5185m	>4	0	<1	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>15	2	<1	<1
Lead	ppm	ASTM D5185m	>70	0	2	<1
Copper	ppm	ASTM D5185m	>175	<1	<1	<1
Tin	ppm	ASTM D5185m	>5	<1	1	<1
Vanadium	ppm	ASTM D5185m		0	<1	<1
Cadmium	ppm	ASTM D5185m		0	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	7	6	4
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	60	60	61	61
Manganese	ppm	ASTM D5185m	0	<1	<1	0
Magnesium	ppm	ASTM D5185m	1010	981	980	973
Calcium	ppm	ASTM D5185m	1070	1089	1139	1092
Phosphorus	ppm	ASTM D5185m	1150	1097	1065	1049
Zinc	ppm	ASTM D5185m	1270	1296	1237	1235
Sulfur	ppm	ASTM D5185m	2060	3683	3652	3639
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	3	3	2
Sodium	ppm	ASTM D5185m		3	2	4
Potassium	ppm	ASTM D5185m	>20	2	3	14
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.4	0.2	0.4
Nitration	Abs/cm	*ASTM D7624	>20	6.1	4.9	5.8
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.7	17.9	18.5
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.3	13.6	14.1
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	8.9	9.1	8.6

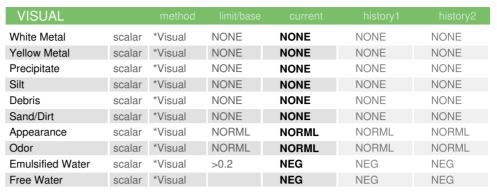


OIL ANALYSIS REPORT



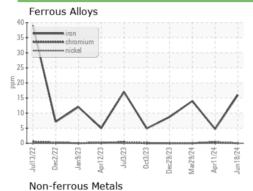


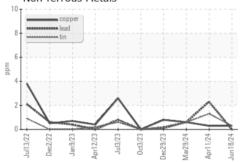


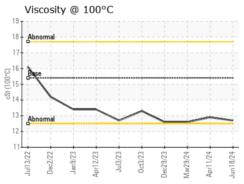


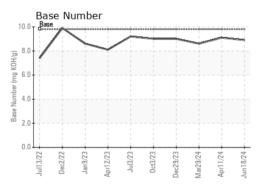
FLUID PROP	ERTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.4	12.7	12.9	12.6

GRAPHS













Certificate 12367

Laboratory Sample No.

: GFL0121124 Lab Number : 06214477 Unique Number : 11087341

Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 19 Jun 2024 **Tested** : 20 Jun 2024

Diagnosed : 20 Jun 2024 - Wes Davis

GFL Environmental - 683 - Ruckersville Hauling 261 INDUSTRIAL DR

Ruckersville, VA US 22698

Contact: Jaf Finney jfinney@gflenv.com T: (434)990-4972

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)