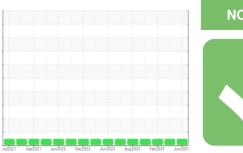


OIL ANALYSIS REPORT

Sample Rating Trend







Mac 72 Com Die Fluic PE

Machine Id
720026-37
Component
Diesel Engine
Fluid

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

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

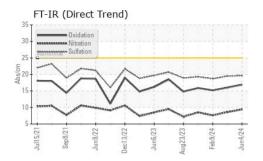
Fluid Condition

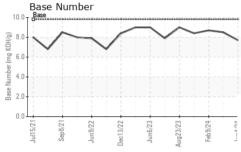
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

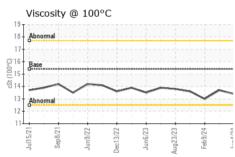
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0121141	GFL0121134	GFL0103119
Sample Date		Client Info		04 Jun 2024	10 May 2024	09 Feb 2024
Machine Age	hrs	Client Info		6660	6538	6073
Oil Age	hrs	Client Info		600	465	293
Oil Changed		Client Info		Changed	N/A	Changed
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	>90	14	11	6
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>2	0	0	<1
Titanium	ppm	ASTM D5185m	>2	0	0	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>20	3	2	2
Lead	ppm	ASTM D5185m	>40	<1	<1	<1
Copper	ppm	ASTM D5185m	>330	1	<1	1
Tin	ppm	ASTM D5185m	>15	<1	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	<1	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	12	11	2
Barium	ppm	ASTM D5185m	0	<1	0	13
Molybdenum	ppm	ASTM D5185m	60	61	63	54
Manganese	ppm	ASTM D5185m	0	<1	<1	<1
Magnesium	ppm	ASTM D5185m	1010	926	996	822
Calcium	ppm	ASTM D5185m	1070	1051	1133	946
Phosphorus	ppm	ASTM D5185m	1150	1052	1065	967
Zinc	ppm	ASTM D5185m	1270	1230	1331	1071
Sulfur	ppm	ASTM D5185m	2060	3231	3585	3254
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	6	4	4
Sodium	ppm	ASTM D5185m		6	5	<1
Potassium	ppm	ASTM D5185m	>20	5	1	2
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>6	0.4	0.4	0.2
Nitration	Abs/cm	*ASTM D7624	>20	9.4	8.6	7.6
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.6	19.5	18.7
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.9	16.0	15.2
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	7.7	8.5	8.7

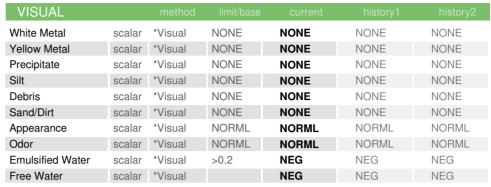


OIL ANALYSIS REPORT



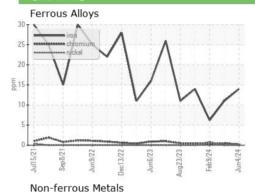


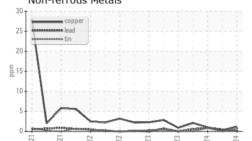


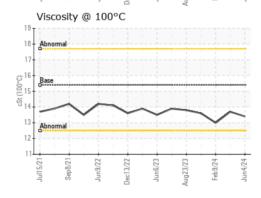


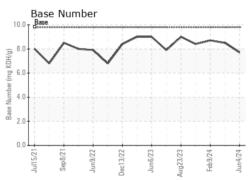
FLUID PROPERTIES		method				history2
Visc @ 100°C	cSt	ASTM D445	15.4	13.4	13.7	13.0

GRAPHS













Laboratory Sample No. Unique Number : 11061923

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0121141 Lab Number : 06199800

Received : 05 Jun 2024 **Tested** Diagnosed

: 05 Jun 2024 : 05 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

Test Package : FLEET Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369.

 st - 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: GFL683 [WUSCAR] 06199800 (Generated: 06/06/2024 09:00:32) Rev: 1

Submitted By: Jaf Finney