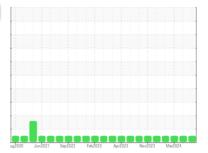


OIL ANALYSIS REPORT

Sample Rating Trend









Machine Id 826023-1024 Component Diesel Engine

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

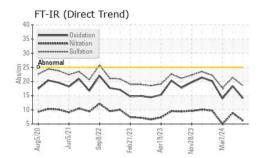
Fluid Condition

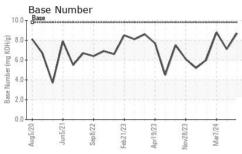
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

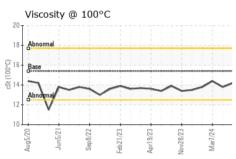
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0113617	GFL0113663	GFL0113602
Sample Date		Client Info		29 May 2024	21 May 2024	07 Mar 2024
Machine Age	hrs	Client Info		17986	17986	17500
Oil Age	hrs	Client Info		486	486	497
Oil Changed		Client Info		Not Changd	Changed	N/A
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATI	ON	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 METALS	3	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>120	0	17	3
Chromium	ppm	ASTM D5185m	>20	0	<1	0
Nickel	ppm	ASTM D5185m	>5	0	<1	0
Titanium	ppm	ASTM D5185m	>2	0	<1	0
Silver	ppm	ASTM D5185m	>2	0	<1	0
Aluminum	ppm	ASTM D5185m	>20	<1	2	0
Lead	ppm	ASTM D5185m	>40	0	1	0
Copper	ppm	ASTM D5185m	>330	0	1	0
Tin	ppm	ASTM D5185m	>15	0	1	0
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	5	2	2
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	60	49	65	51
Manganese	ppm	ASTM D5185m	0	<1	<1	0
Magnesium	ppm	ASTM D5185m	1010	875	1031	895
Calcium	ppm	ASTM D5185m	1070	990	1217	1010
Phosphorus	ppm	ASTM D5185m	1150	957	1038	935
Zinc	ppm	ASTM D5185m	1270	1147	1321	1117
Sulfur	ppm	ASTM D5185m	2060	3052	3133	3402
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	2	6	2
Sodium	ppm	ASTM D5185m		<1	5	2
Potassium	ppm	ASTM D5185m	>20	<1	2	0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>4	0.4	0.4	0.1
Nitration	Abs/cm	*ASTM D7624	>20	6.2	8.9	5.0
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.5	21.4	17.7
FLUID DEGRADATION method limit/base current history1 history2						
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.1	18.4	14.0
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	8.7	7.1	8.8
,	0					



OIL ANALYSIS REPORT



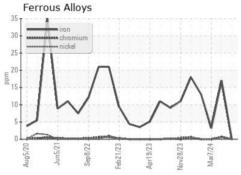


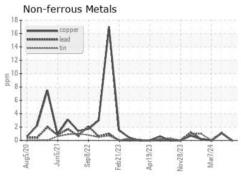


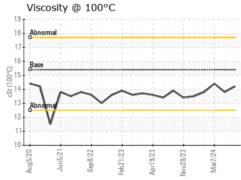
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

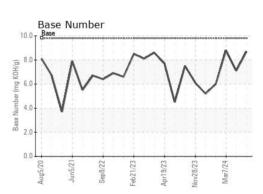
FLUID PROPI	ERTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.4	14.2	13.8	14.4

GRAPHS













Certificate 12367

Laboratory Sample No. Lab Number : 06198512

Test Package : FLEET

: GFL0113617

Unique Number : 11060635

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 03 Jun 2024

Tested : 04 Jun 2024 Diagnosed : 04 Jun 2024 - Wes Davis

GFL Environmental - 654S - Midlothian

12230 Deergrove Road Midlothian, VA

US 23112

Contact: Corbin Umphlet cumphlet@gflenv.com T:

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: GFL654S [WUSCAR] 06198512 (Generated: 06/04/2024 15:10:07) Rev: 1

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