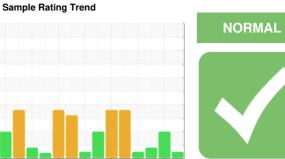


OIL ANALYSIS REPORT





Machine Id 727065-361316.1

Diesel Engine

PETRO CANADA DURON SHP 15W40 (8 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

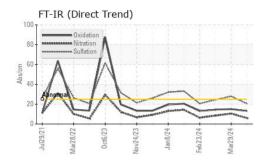
Fluid Condition

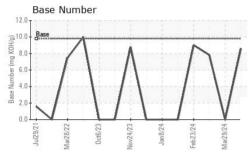
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

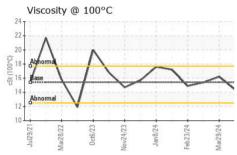
-						
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0112206	GFL0112185	GFL0065426
Sample Date		Client Info		19 Apr 2024	29 Mar 2024	15 Mar 2024
Machine Age	hrs	Client Info		1235	1104	984
Oil Age	hrs	Client Info		150	600	150
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Sample Status				NORMAL	ABNORMAL	ABNORMAL
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	>120	5	12	11
Chromium	ppm	ASTM D5185m	>20	<1	<1	1
Nickel	ppm	ASTM D5185m	>5	<1	0	<1
Titanium	ppm	ASTM D5185m	>2	<1	0	<1
Silver	ppm	ASTM D5185m	>2	<1	0	<1
Aluminum	ppm	ASTM D5185m	>20	3	1	2
Lead	ppm	ASTM D5185m	>40	1	0	2
Copper	ppm	ASTM D5185m	>330	3	<1	2
Tin	ppm	ASTM D5185m	>15	1	<1	1
Vanadium	ppm	ASTM D5185m		<1	0	<1
Cadmium	ppm	ASTM D5185m		<1	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	1	10
Barium	ppm	ASTM D5185m	0	0	0	1
Molybdenum	ppm	ASTM D5185m	60	55	57	60
Manganese	ppm	ASTM D5185m	0	<1	<1	1
Magnesium	ppm	ASTM D5185m	1010	799	916	875
Calcium	ppm	ASTM D5185m	1070	942	1028	1042
Phosphorus	ppm	ASTM D5185m	1150	833	1004	1025
Zinc	ppm	ASTM D5185m	1270	1060	1188	1154
Sulfur	ppm	ASTM D5185m	2060	2792	3230	3121
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	3	3	4
Sodium	ppm	ASTM D5185m		0	1	<1
Potassium	ppm	ASTM D5185m	>20	3	2	2
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>4	2	△ 5.3	<u>4</u>
Nitration	Abs/cm	*ASTM D7624	>20	5.9	10.5	8.5
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.5	27.9	24.4
FLUID DEGRAI	DATION	method	limit/base	current	history1	history2
	A1 / 4	*AOTM D7444	0.5	40.4	450	44.5
Oxidation	Abs/.1mm	*ASTM D7414	>25	13.1	15.0	14.5

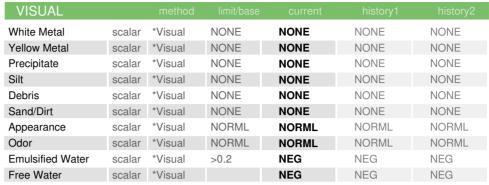


OIL ANALYSIS REPORT



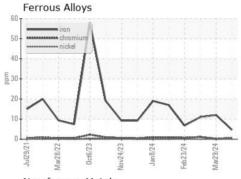


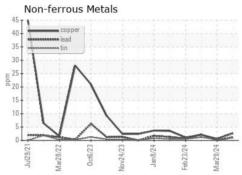


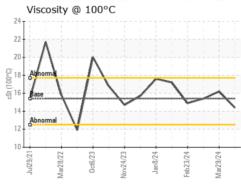


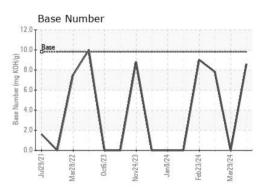
FLUID PROPERTIES		method				history2
Visc @ 100°C	cSt	ASTM D445	15.4	14.4	16.2	15.4

GRAPHS













Certificate 12367

Laboratory Sample No.

Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0112206 Lab Number : 06157216

Unique Number : 10992639

Received : 23 Apr 2024 **Tested** Diagnosed

: 24 Apr 2024 : 24 Apr 2024 - Wes Davis

5054 Highway HH Hartville, MO US 65667

GFL Environmental - 829 - Wilco Hauling

Contact: James Jones james.jones@gflenv.com

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.

T: (417)349-5006