

OIL ANALYSIS REPORT

Area (DXE797) 10589

Diesel Engine

PETRO CANADA DURON SHP 15W40 (8 GAL)

Sample Rating Trend



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 oil.

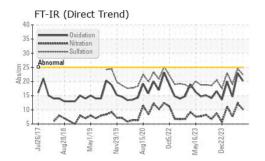
Fluid Condition

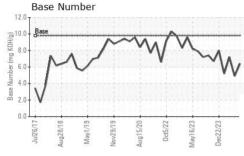
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

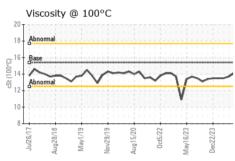
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0089618	GFL0089621	GFL0089568
Sample Date		Client Info		17 May 2024	24 Apr 2024	23 Apr 2024
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATI	ON	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<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	>100	53	75	8
Chromium	ppm	ASTM D5185m	>20	2	2	<1
Nickel	ppm	ASTM D5185m	>4	<1	<1	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m	>3	<1	<1	0
Aluminum	ppm	ASTM D5185m	>20	4	7	<1
Lead	ppm	ASTM D5185m	>40	<1	2	<1
Copper	ppm	ASTM D5185m	>330	3	4	1
Tin	ppm	ASTM D5185m	>15	<1	1	1
Vanadium	ppm	ASTM D5185m		<1	<1	0
Cadmium	ppm	ASTM D5185m		0	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	2	5	1
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	60	64	101	62
Manganese	ppm	ASTM D5185m	0	<1	<1	<1
Magnesium	ppm	ASTM D5185m	1010	919	1496	959
Calcium	ppm	ASTM D5185m	1070	1056	1658	1100
Phosphorus	ppm	ASTM D5185m	1150	937	1745	1015
Zinc	ppm	ASTM D5185m	1270	1228	1980	1213
Sulfur	ppm	ASTM D5185m	2060	2605	4333	3309
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	10	16	4
Sodium	ppm	ASTM D5185m		10	17	5
Potassium	ppm	ASTM D5185m	>20	4	6	1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.7	1	0.5
Nitration	Abs/cm	*ASTM D7624	>20	10.2	12.2	7.6
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.4	24.6	19.0
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	20.2	23.0	14.6

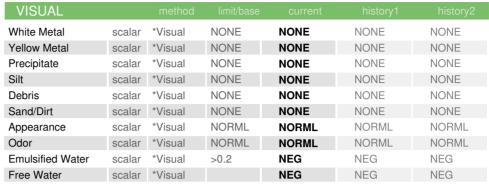


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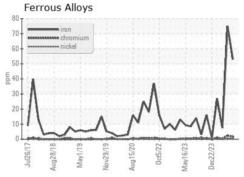


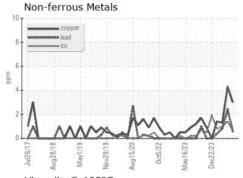


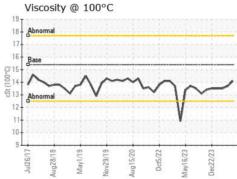


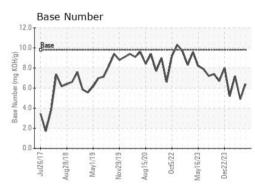
FLUID PROP	ERIIES	metnoa	ilmit/base	current	nistory i	nistory2
Visc @ 100°C	cSt	ASTM D445	15.4	14.1	13.7	13.5

GRAPHS













Laboratory Sample No.

Lab Number : 06188727

: GFL0089618 Unique Number : 11045479

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received **Tested** Diagnosed

: 23 May 2024 : 24 May 2024

: 24 May 2024 - Wes Davis

GFL Environmental - 732 - Thomaston Hauling 2616 Waynmansville Road Thomaston, GA

US 30286

Contact: WILLIAM BROWN william.brown@gflenv.com T: (706)936-4065

Certificate 12367

Test Package : FLEET 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: GFL732 [WUSCAR] 06188727 (Generated: 05/24/2024 13:19:53) Rev: 1

Submitted By: WILLIAM BROWN