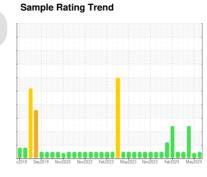


OIL ANALYSIS REPORT

Area (87J4TW) 726037-310027

Diesel Engine

PETRO CANADA DURON SHP 15W40 (--- 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

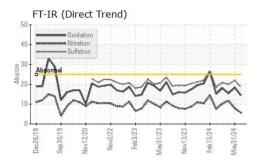
Fluid Condition

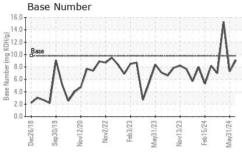
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

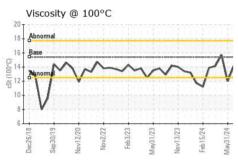
SAMPLE INFORMA	ATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		GFL0124051	GFL0120237	GFL0117244	
Sample Date		Client Info		25 Jun 2024	31 May 2024	02 May 2024	
Machine Age	hrs	Client Info		15892	15737	15600	
	hrs	Client Info		0	0	0	
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd	
Sample Status				NORMAL	ATTENTION	ABNORMAL	
CONTAMINATIO	N	method	limit/base	current	history1	history2	
Fuel		WC Method	>5	<1.0	0.5	<1.0	
Water		WC Method	>0.2	NEG	NEG	NEG	
Glycol		WC Method		NEG	NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>100	3	3	17	
Chromium	ppm	ASTM D5185m	>20	0	0	<1	
	ppm	ASTM D5185m	>4	0	0	0	
	ppm	ASTM D5185m		<1	0	0	
	ppm	ASTM D5185m	>3	0	0	0	
	ppm	ASTM D5185m	>20	1	4	11	
	ppm	ASTM D5185m	>40	0	0	0	
	ppm	ASTM D5185m	>330	<1	2	9	
	ppm	ASTM D5185m	>15	0	0	0	
	ppm	ASTM D5185m	710	<1	0	0	
	ppm	ASTM D5185m		0	0	0	
'	ррпп		limit/bass				
ADDITIVES		method	limit/base	current	history1	history2	
·	ppm	ASTM D5185m	0	38	53	57	
	ppm		0	0	0	0	
	ppm	ASTM D5185m	60	52	0	120	
	ppm	ASTM D5185m	0	<1	<1	<1	
Magnesium	ppm	ASTM D5185m	1010	698	800	907	
Calcium	ppm	ASTM D5185m	1070	1635	1199	1012	
Phosphorus	ppm	ASTM D5185m	1150	940	710	1018	
Zinc	ppm	ASTM D5185m	1270	1114	807	1218	
Sulfur	ppm	ASTM D5185m	2060	3329	2485	3515	
CONTAMINANT	S	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>25	6	0	17	
Sodium	ppm	ASTM D5185m		3	<1	<u> </u>	
Potassium	ppm	ASTM D5185m	>20	<1	1	△ 16	
INFRA-RED		method	limit/base	current	history1	history2	
Soot %	%	*ASTM D7844	>3	0.1	0.1	0.3	
Nitration	Abs/cm	*ASTM D7624	>20	5.7	7.9	11.8	
	Abs/.1mm	*ASTM D7415	>30	18.6	22.0	20.0	
FLUID DEGRADATION method limit/base current history1 history2							
Oxidation /	Abs/.1mm	*ASTM D7414	>25	14.5	18.4	15.4	
	mg KOH/g	ASTM D2896		9.1	7.3	15.3	
	39						



OIL ANALYSIS REPORT



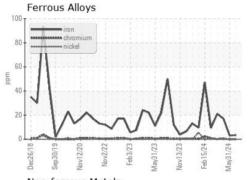


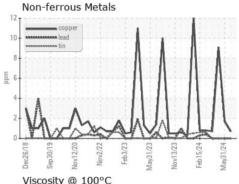


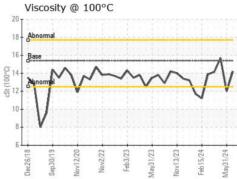
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

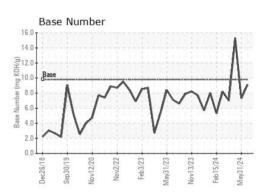
FLUID PROP	ERITES	method	ilmit/base		nistory i	nistory∠
Visc @ 100°C	cSt	ASTM D445	15.4	14.2	12.0	15.7

GRAPHS













Certificate 12367

Laboratory Sample No. Test Package : FLEET

: GFL0124051 Lab Number : 06223208 Unique Number : 11101405

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 28 Jun 2024

Tested : 28 Jun 2024 Diagnosed : 30 Jun 2024 - Don Baldridge

GFL Environmental - 836 - Kansas City Hauling

7801 East Truman Road Kansas City, MO US 64126

Contact: Loyce Stewart loyce.stewart@gflenv.com

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)

T:

F: