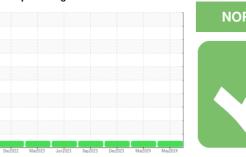


OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id

G11
Component
Diesel Engine
Fluid

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

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

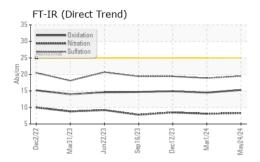
Fluid Condition

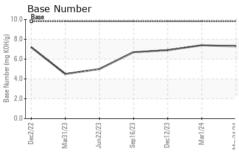
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

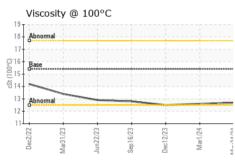
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0841438	WC0841420	WC0841453
Sample Date		Client Info		24 May 2024	01 Mar 2024	12 Dec 2023
Machine Age	hrs	Client Info		11398	10860	10249
Oil Age	hrs	Client Info		528	511	578
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION	1	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		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>120	5	6	8
Chromium	ppm	ASTM D5185m	>20	0	<1	<1
Nickel	ppm	ASTM D5185m	>5	0	<1	0
Titanium	ppm	ASTM D5185m	>2	0	0	<1
Silver	ppm	ASTM D5185m	>2	0	0	<1
Aluminum	ppm	ASTM D5185m	>20	<1	2	2
Lead	ppm	ASTM D5185m	>40	0	<1	<1
Copper	ppm	ASTM D5185m	>330	0	<1	<1
Tin	ppm	ASTM D5185m	>15	0	2	2
Vanadium	ppm	ASTM D5185m	710	0	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES	Ple	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	3	6	8
Barium	ppm		0	0	0	0
Molybdenum		ASTM D5185m	60	53	62	65
Manganese	ppm	ASTM D5185m	0	0	<1	<1
Magnesium		ASTM D5185m	1010	852	921	878
Calcium	ppm	ASTM D5185m	1070	1084	1119	1297
Phosphorus		ASTM D5185m	1150	938	982	1062
Zinc	ppm	ASTM D5185m	1270	1121	1213	1250
Sulfur	ppm	ASTM D5185m	2060	3180	3645	3125
CONTAMINANTS	ррііі	method	limit/base	current	history1	history2
Silicon	nnm	ASTM D5185m			4	•
Sodium	ppm	ASTM D5185m	>20	3 2	2	5
Potassium	ppm	ASTM D5185m	- 20	<1	1	<1
	ppm					
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>4	0.4	0.4	0.5
Nitration	Abs/cm	*ASTM D7624	>20	8.3	8.1	8.5
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.5	18.9	19.4
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.3	14.5	14.9
Dana Niveskay (DNI)	mg KOH/g	ASTM D2896	9.8	7.3	7.4	6.9
Base Number (BN)	my Normy	7.0 TWI D2000	0.0	7.5	7.7	0.5

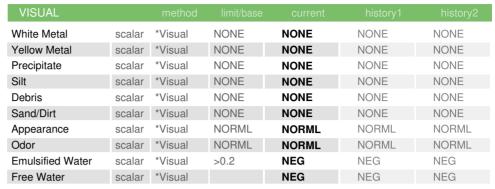


OIL ANALYSIS REPORT



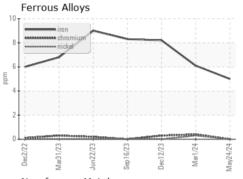


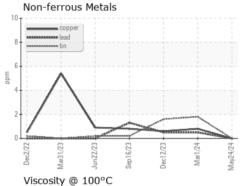


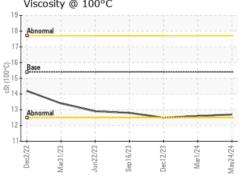


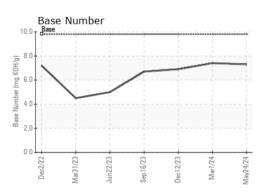
FLUID PROPER	TIES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.4	12.7	12.6	12.5

GRAPHS













Laboratory Sample No.

: WC0841438 Lab Number : 06214294 Unique Number : 11087158

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 19 Jun 2024 **Tested**

: 20 Jun 2024 Diagnosed : 20 Jun 2024 - Wes Davis

Apple Valley Waste - SEW Location 309 Salina Road Sewell, NJ US 08080

Contact: Service Manager

Test Package : CONST (Additional Tests: TBN) Certificate 12367 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: