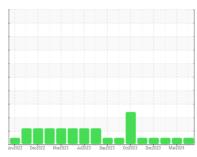


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
929127
Component
Diesel Engine

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

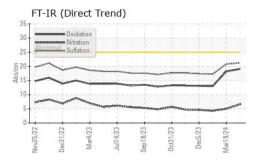
Fluid Condition

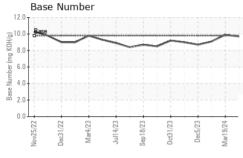
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

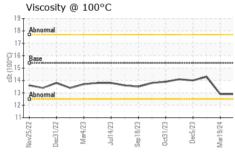
JAL)		10V2022 DBC	EUZZ MIRZUZS JUIZUZS	Septoza Ocizoza Deczoza	WeiZ024				
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2			
Sample Number		Client Info		GFL0105198	GFL0105284	GFL0105158			
Sample Date		Client Info		11 Apr 2024	19 Mar 2024	02 Jan 2024			
Machine Age	hrs	Client Info		13449	13328	13268			
Oil Age	hrs	Client Info		300	150	150			
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd			
Sample Status				NORMAL	NORMAL	NORMAL			
CONTAMINAT	ION	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 METAL	.S	method	limit/base	current	history1	history2			
Iron	ppm	ASTM D5185m	>100	2	4	1			
Chromium	ppm	ASTM D5185m	>20	0	<1	0			
Nickel	ppm	ASTM D5185m	>4	0	0	0			
Titanium	ppm	ASTM D5185m		0	<1	<1			
Silver	ppm	ASTM D5185m	>3	0	0	0			
Aluminum	ppm	ASTM D5185m	>20	<1	2	<1			
Lead	ppm	ASTM D5185m	>40	0	<1	<1			
Copper	ppm	ASTM D5185m	>330	0	<1	<1			
Tin	ppm	ASTM D5185m	>15	0	<1	<1			
Vanadium	ppm	ASTM D5185m		0	0	<1			
Cadmium	ppm	ASTM D5185m		0	0	0			
ADDITIVES		method	limit/base	current	history1	history2			
Boron	ppm	ASTM D5185m	0	50	79	1			
Barium	ppm	ASTM D5185m	0	0	0	0			
Molybdenum	ppm	ASTM D5185m	60	50	54	59			
Manganese	ppm	ASTM D5185m	0	0	0	<1			
Magnesium	ppm	ASTM D5185m	1010	568	531	974			
Calcium	ppm	ASTM D5185m	1070	1488	1576	1071			
Phosphorus	ppm	ASTM D5185m	1150	784	789	1072			
Zinc	ppm	ASTM D5185m	1270	883	931	1247			
Sulfur	ppm	ASTM D5185m	2060	2725	2571	3221			
CONTAMINANTS method limit/base current history1 history2									
Silicon	ppm	ASTM D5185m	>25	12	14	6			
Sodium	ppm	ASTM D5185m		14	6	3			
Potassium	ppm	ASTM D5185m	>20	0	2	0			
INFRA-RED		method	limit/base	current	history1	history2			
Soot %	%	*ASTM D7844	>3	0.2	0.1	0			
Nitration	Abs/cm	*ASTM D7624	>20	6.6	5.0	4.3			
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.2	20.8	17.2			
FLUID DEGRADATION method limit/base current history1 history2									
Oxidation	Abs/.1mm	*ASTM D7414	>25	19.1	18.2	13.0			
Base Number (BN)	mg KOH/g	ASTM D2896		9.7	9.9	9.1			
= 200 . 10mbor (DIV)		10.111 02000	0.0	J.,	0.0	V. I			

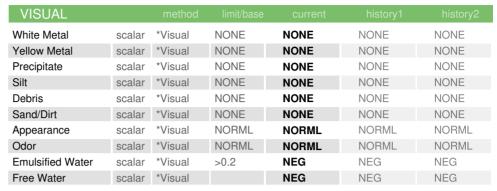


OIL ANALYSIS REPORT



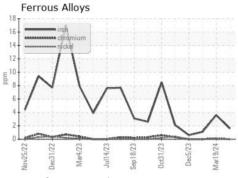




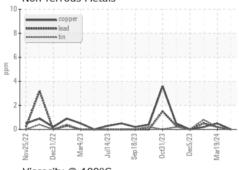


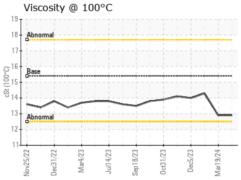
FLUID PROP	ERITES	method	ilmit/base		nistory i	nistoryz
Visc @ 100°C	cSt	ASTM D445	15.4	12.9	12.9	14.3

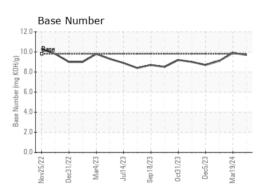
GRAPHS















Certificate 12367

Laboratory Sample No.

Lab Number : 06148204

Test Package : FLEET

: GFL0105198 Unique Number : 10978282

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

Received **Tested** Diagnosed

: 15 Apr 2024 : 16 Apr 2024

: 16 Apr 2024 - Sean Felton

GFL Environmental - 821 - Ozarks Hauling 33924 Olath Drive Lebanon, MO US 65536

Contact: Landen Johnson landen.johnson@gflenv.com

T: (417)664-0010

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)