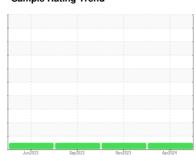


OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id 433014

Natural Gas 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 oil.

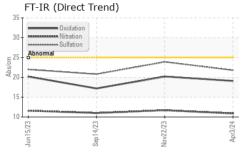
Fluid Condition

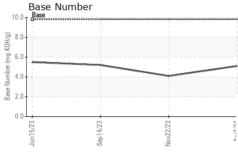
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

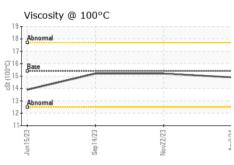
Sample Number Client Info GFL0106932 GFL0			Jun 202	3 Sep2023	Nov2023 A	or2024	
Sample Date Client Info 03 Apr 2024 22 N Machine Age hrs Client Info 2183 1834 Oil Age hrs Client Info 600 600 Oil Age hrs Client Info Changed Chard Oil Changed Client Info Changed Chard Contal Info Changed Chard Chard Water Wc Method >0.1 NEG NI WEAR METALS method limit/base current Image: current I	PLE INFORM	MATION	method	limit/base	current	history1	history2
Machine Age	Number		Client Info		GFL0106932	GFL0084631	GFL0084583
DOI Age	e Date		Client Info		03 Apr 2024	22 Nov 2023	14 Sep 2023
Client Info	e Age	hrs	Client Info		2183	1834	0
NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMATED Nature Nature	•	hrs	Client Info		600	600	0
CONTAMINATION method limit/base current Water WC Method >0.1 NEG NI WEAR METALS method limit/base current Image: current	inged		Client Info		Changed	Changed	Changed
Water WC Method >0.1 NEG NI WEAR METALS method limit/base current Iron ppm ASTM D5185m >50 16 11 Chromium ppm ASTM D5185m >4 2 1 Nickel ppm ASTM D5185m >2 1 <1	Status				NORMAL	NORMAL	NORMAL
WEAR METALS method limit/base current ron ppm ASTM D5185m >50 16 11 Chromium ppm ASTM D5185m >4 2 1 <1	ITAMINATI	ON	method	limit/base	current	history1	history2
Chromium			WC Method	>0.1	NEG	NEG	NEG
Description	AR METALS	3	method	limit/base	current	history1	history2
Sickel		ppm	ASTM D5185m	>50	16	11	14
ASTM D5185m	ium	ppm	ASTM D5185m	>4	2	1	1
Silver		ppm	ASTM D5185m	>2	1	<1	0
Aluminum	m	ppm	ASTM D5185m		<1	<1	0
December December		ppm	ASTM D5185m	>3	0	0	0
Description	um	ppm	ASTM D5185m	>9	6	6	20
Fin		ppm	ASTM D5185m	>30	2	2	<1
Vanadium ppm ASTM D5185m <1 0 Cadmium ppm ASTM D5185m <1 <1 ADDITIVES method limit/base current Image: current	•	ppm	ASTM D5185m	>35	2	2	2
Cadmium ppm ASTM D5185m <1 <1 ADDITIVES method limit/base current Image: current		ppm	ASTM D5185m	>4	2	1	<1
ADDITIVES	um	ppm	ASTM D5185m		<1	0	0
Soron ppm ASTM D5185m 0 8 6 6	ım	ppm	ASTM D5185m		<1	<1	0
Sarium	ITIVES		method	limit/base	current	history1	history2
Molybdenum ppm ASTM D5185m 60 54 55 Manganese ppm ASTM D5185m 0 2 1 Magnesium ppm ASTM D5185m 1010 565 57 Calcium ppm ASTM D5185m 1070 1616 17 Phosphorus ppm ASTM D5185m 1150 773 68 Zinc ppm ASTM D5185m 1270 982 98 Sulfur ppm ASTM D5185m 2060 2641 27 CONTAMINANTS method limit/base current Image: current <td></td> <td>ppm</td> <td>ASTM D5185m</td> <td>0</td> <th>8</th> <td>6</td> <td>9</td>		ppm	ASTM D5185m	0	8	6	9
Manganese ppm ASTM D5185m 0 2 1 Magnesium ppm ASTM D5185m 1010 565 57 Calcium ppm ASTM D5185m 1070 1616 17 Phosphorus ppm ASTM D5185m 1150 773 68 Zinc ppm ASTM D5185m 1270 982 98 Sulfur ppm ASTM D5185m 2060 2641 27 CONTAMINANTS method limit/base current II Silicon ppm ASTM D5185m >+100 7 8 Sodium ppm ASTM D5185m >20 11 16 Potassium ppm ASTM D5185m >20 11 16 Soot % % *ASTM D7844 0.1 0 Nitration Abs/cm *ASTM D7624 >20 10.9 11 Sulfation Abs/.1mm *ASTM D7415 >30 21.8 23 FLUID DEGRADA		ppm	ASTM D5185m	0	<1	0	0
Magnesium ppm ASTM D5185m 1010 565 57 Calcium ppm ASTM D5185m 1070 1616 17 Phosphorus ppm ASTM D5185m 1150 773 68 Zinc ppm ASTM D5185m 1270 982 99 Sulfur ppm ASTM D5185m 2060 2641 27 CONTAMINANTS method limit/base current II Silicon ppm ASTM D5185m >+100 7 8 Sodium ppm ASTM D5185m 8 4 Potassium ppm ASTM D5185m >20 11 16 INFRA-RED method limit/base current II Soot % % *ASTM D7844 0.1 0 Nitration Abs/cm *ASTM D7624 >20 10.9 11 Sulfation Abs/.1mm *ASTM D7415 >30 21.8 23 FLUID DEGRADATION *ASTM D7414	enum	ppm	ASTM D5185m	60	54	55	55
Calcium ppm ASTM D5185m 1070 1616 17 Phosphorus ppm ASTM D5185m 1150 773 68 Zinc ppm ASTM D5185m 1270 982 98 Sulfur ppm ASTM D5185m 2060 2641 27 CONTAMINANTS method limit/base current limit/base current limit/base li	nese	ppm	ASTM D5185m	0	2	1	2
Calcium ppm ASTM D5185m 1070 1616 17 Phosphorus ppm ASTM D5185m 1150 773 68 Zinc ppm ASTM D5185m 1270 982 98 Sulfur ppm ASTM D5185m 2060 2641 27 CONTAMINANTS method limit/base current limit/base Solicon ppm ASTM D5185m >+100 7 8 Sodium ppm ASTM D5185m >20 11 16 Potassium ppm ASTM D5185m >20 11 16 INFRA-RED method limit/base current limit/base current limit/base Soot % % *ASTM D7624 >20 10.9 11 Sulfation Abs/.1mm *ASTM D7415 >30 21.8 23 FLUID DEGRADATION *ASTM D7414 >25 19.1 20	sium	ppm	ASTM D5185m	1010	565	579	643
Phosphorus ppm ASTM D5185m 1150 773 68 Zinc ppm ASTM D5185m 1270 982 98 Sulfur ppm ASTM D5185m 2060 2641 27 CONTAMINANTS method limit/base current Image: current base			ASTM D5185m	1070	1616	1706	1665
Zinc ppm ASTM D5185m 1270 982 998 Gulfur ppm ASTM D5185m 2060 2641 27 CONTAMINANTS method limit/base current limit/base current Golium ppm ASTM D5185m >+100 7 8 Godium ppm ASTM D5185m >20 11 16 INFRA-RED method limit/base current limit/base current limit/base Goot % % *ASTM D7844 0.1 0 Nitration Abs/cm *ASTM D7624 >20 10.9 11 Gulfation Abs/.1mm *ASTM D7415 >30 21.8 23 FLUID DEGRADATION method limit/base current limit/base current limit/base	norus		ASTM D5185m		773	683	650
Sulfur ppm ASTM D5185m 2060 2641 27 CONTAMINANTS method limit/base current limit/base current limit/base Solicon ppm ASTM D5185m >+100 7 8 Sodium ppm ASTM D5185m 8 4 Potassium ppm ASTM D5185m >20 11 16 INFRA-RED method limit/base current Image: current		• •		1270		995	967
Solition ppm ASTM D5185m >+100 7 8						2747	2869
Sodium ppm ASTM D5185m 8 4 Potassium ppm ASTM D5185m >20 11 16 INFRA-RED method limit/base current Image: current base base base base base base base base	TAMINAN	ΓS	method	limit/base	current	history1	history2
Potassium ppm ASTM D5185m >20 11 16 INFRA-RED method limit/base current Image: current Im		ppm	ASTM D5185m	>+100	7	8	9
INFRA-RED	1	ppm	ASTM D5185m		8	4	8
Soot % % *ASTM D7844 0.1 0 Nitration Abs/cm *ASTM D7624 >20 10.9 11 Sulfation Abs/.1mm *ASTM D7415 >30 21.8 23 FLUID DEGRADATION method limit/base current It Oxidation Abs/.1mm *ASTM D7414 >25 19.1 20	ium	ppm	ASTM D5185m	>20	11	16	43
Nitration Abs/cm *ASTM D7624 >20 10.9 11 Sulfation Abs/.1mm *ASTM D7415 >30 21.8 23 FLUID DEGRADATION method limit/base current b Dxidation Abs/.1mm *ASTM D7414 >25 19.1 20	RA-RED		method	limit/base	current	history1	history2
Sulfation Abs/.1mm *ASTM D7415 >30 21.8 23 FLUID DEGRADATION method limit/base current b Dxidation Abs/.1mm *ASTM D7414 >25 19.1 20		%	*ASTM D7844		0.1	0	0.1
FLUID DEGRADATION method limit/base current Providation Abs/.1mm *ASTM D7414 >25 19.1 20	n	Abs/cm	*ASTM D7624	>20	10.9	11.7	11.0
Oxidation	on	Abs/.1mm	*ASTM D7415	>30	21.8	23.9	20.8
	D DEGRAD	ATION	method	limit/base	current	history1	history2
ALL (DAI) YOUY ACTA DOSCO C.C.	on	Abs/.1mm	*ASTM D7414	>25	19.1	20.2	17.2
Base Number (BN) mg KOH/g ASTM D2896 9.8 5.1 4.1	lumber (BN)	mg KOH/g	ASTM D2896	9.8	5.1	4.1	5.2



OIL ANALYSIS REPORT



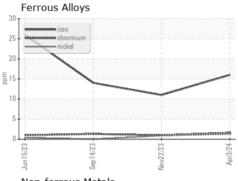


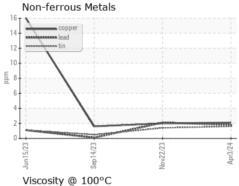


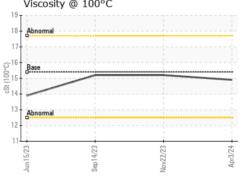
VISUAL		method				history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

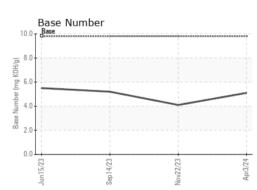
FLUID PROPI	ERHES	method			history1	history2
Visc @ 100°C	cSt	ASTM D445	15.4	14.9	15.2	15.2

GRAPHS













Certificate 12367

Laboratory Sample No.

: GFL0106932 Lab Number : 06143538 Unique Number : 10968346

Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 09 Apr 2024

Tested : 10 Apr 2024 Diagnosed : 12 Apr 2024 - Jonathan Hester

8515 Highway 6 South Houston, TX US 77083

GFL Environmental - 856 - Houston South

Contact: Apolinar Zacarias pzacariascano@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: