

OIL ANALYSIS REPORT

Area (64069P) Machine Id 3719

Diesel Engine

PETRO CANADA DURON SHP 15W40 (10 GAL)

Sample Rating Trend



DIAGNOSIS

Recommendation

We advise that you check for possible coolant leak. Check for low coolant level. We recommend an early resample to monitor this condition.

All component wear rates are normal.

Contamination

Sodium and/or potassium levels are high.

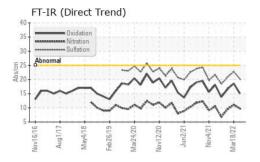
Fluid Condition

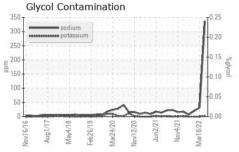
The BN result indicates that there is suitable alkalinity remaining in the oil.

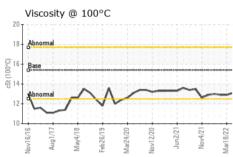
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SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0049422	GFL0042799	GFL0042824
Sample Date		Client Info		20 Apr 2022	18 Mar 2022	23 Feb 2022
Machine Age	hrs	Client Info		0	10374	0
Oil Age	hrs	Client Info		0	10374	0
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Sample Status				ABNORMAL	NORMAL	NORMAL
CONTAMINAT	ION	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
WEAR METAL	S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>75	15	27	18
Chromium	ppm	ASTM D5185m	>5	1	2	1
Nickel	ppm	ASTM D5185m	>4	<1	0	0
Гitanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		<1	0	<1
Aluminum	ppm	ASTM D5185m	>15	2	3	3
_ead	ppm	ASTM D5185m	>25	<1	<1	<1
Copper	ppm	ASTM D5185m		9	<1	<1
Fin	ppm	ASTM D5185m	>4	<1	0	<1
Antimony	ppm	ASTM D5185m	77			<1
/anadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
	ррпп		1111-71	-		-
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	21	9	9
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	60	75	55	52
Manganese	ppm	ASTM D5185m	0	<1	<1	<1
Magnesium	ppm	ASTM D5185m	1010	822	867	875
Calcium	ppm	ASTM D5185m	1070	1027	1112	1096
Phosphorus	ppm	ASTM D5185m	1150	980	970	987
Zinc	ppm	ASTM D5185m	1270	1174	1151	1136
Sulfur	ppm	ASTM D5185m	2060	2599	2491	2409
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	10	5	4
Sodium	ppm	ASTM D5185m		4 337	31	20
Potassium	ppm	ASTM D5185m	>20	2	0	0
Glycol	%	*ASTM D2982		NEG	NEG	NEG
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>6	0.5	0.9	0.6
Vitration	Abs/cm	*ASTM D7624	>20	9.7	11.1	9.5
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.2	22.8	20.8
FLUID DEGRAI	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.0	18.6	16.6
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	10.1	7.5	8.2

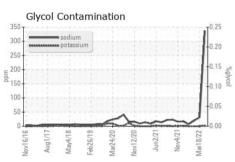


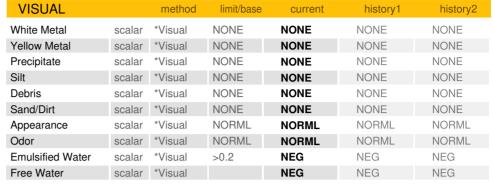
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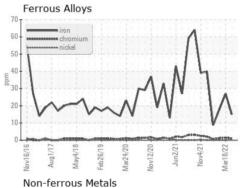


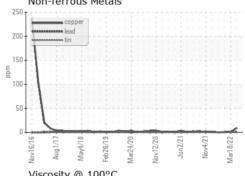


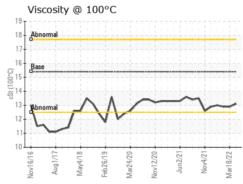


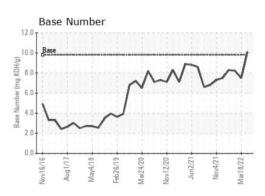
FLUID PROFI	ENTIES	memod	IIIIII/Dase	Current	HISTORY	HISTORYZ
Visc @ 100°C	cSt	ASTM D445	15.4	13.1	12.9	12.9

GRAPHS













Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0049422 Lab Number : 05530930 Unique Number : 9955219

Received Tested Diagnosed

: 28 Apr 2022 : 02 May 2022 : 02 May 2022 - Jonathan Hester

2390 North 4th Street Wytheville, VA US 24382

T: (276)223-4476

Certificate 12367

Test Package : FLEET (Additional Tests: Glycol)

Contact: CHARLES CORVIN charles.corvin@gflenv.com;canastasio@wearcheckusa.com

GFL Environmental - 029 - Wytheville

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) F: (276)223-1283

Report Id: GFL029 [WUSCAR] 05530930 (Generated: 05/29/2024 10:26:38) Rev: 1

Submitted By: CHARLES CORVIN