

PROBLEM SUMMARY

Sample Rating Trend

WEAR

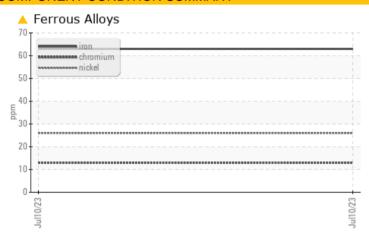
A

Machine Id **425104**

Component **Diesel Engine**

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

COMPONENT CONDITION SUMMARY



RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

PROBLEMATION	EMATIC TEST RESULTS								
Sample Status				ABNORMAL					
Chromium	ppm	ASTM D5185m	>4	13					
Nickel	mqq	ASTM D5185m	>2	4 26					

Customer Id: GFL958A Sample No.: GFL0085360 Lab Number: 05899533 Test Package: FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data: Jonathan Hester +1 919-379-4092 x4092 jhester@wearcheckusa.com

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend **WEAR**

Machine Id 425104 Component

Diesel Engine

PETRO CANADA DURON SHP 15W40 (--- 0

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

The chromium level is abnormal. The nickel level is severe.

Contamination

There is no indication of any contamination in the oil.

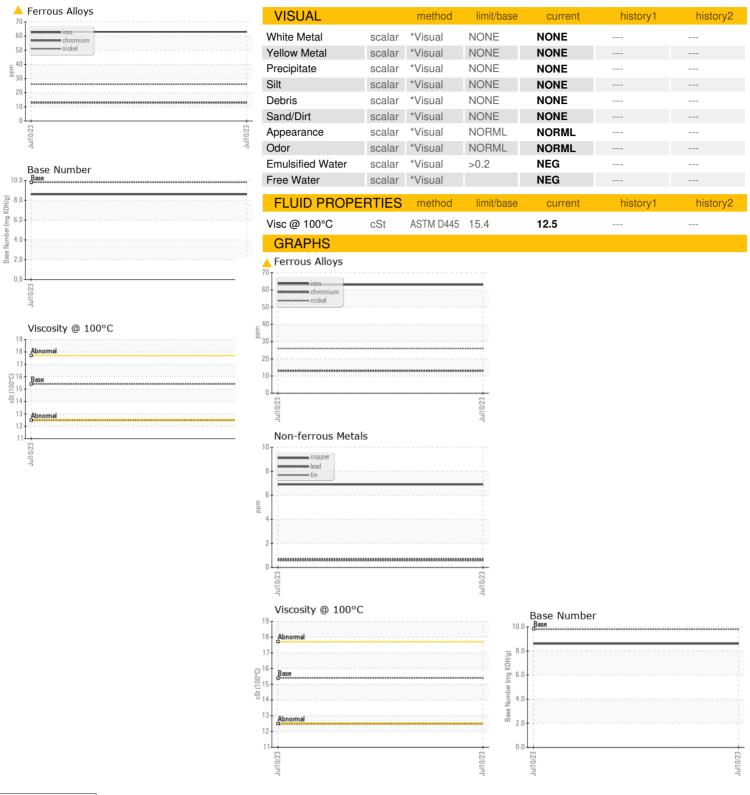
Fluid Condition

Additive levels do not indicate the addition of a different brand, or type of oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

GAL)				Jul2023		
SAMPLE INFO	RMATION	I method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0085360		
Sample Date		Client Info		10 Jul 2023		
Machine Age	hrs	Client Info		27776		
Oil Age	hrs	Client Info		0		
Oil Changed	1113	Client Info		Not Changd		
Sample Status		Oliciti IIIIo		ABNORMAL		
·	TION	un a din a al	lineit/lenen			
CONTAMINA	HON	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0		
Glycol		WC Method		NEG		
WEAR META	LS	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>110	63		
Chromium	ppm	ASTM D5185m	>4	<u> </u>		
Nickel	ppm	ASTM D5185m	>2	<u>^</u> 26		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m	>2	<1		
Aluminum	ppm	ASTM D5185m	>25	8		
Lead	ppm	ASTM D5185m	>45	<1		
Copper	ppm	ASTM D5185m	>85	7		
Tin	ppm	ASTM D5185m	>4	<1		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	6		
Barium	ppm	ASTM D5185m	0	0		
Molybdenum	ppm	ASTM D5185m	60	65		
Manganese	ppm	ASTM D5185m	0	1		
Magnesium	ppm	ASTM D5185m	1010	1043		
Calcium	ppm	ASTM D5185m	1070	1176		
Phosphorus	ppm	ASTM D5185m	1150	1140		
Zinc	ppm	ASTM D5185m	1270	1365		
Sulfur	ppm	ASTM D5185m	2060	4086		
CONTAMINA	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>30	10		
Sodium	ppm	ASTM D5185m		3		
Potassium	ppm	ASTM D5185m	>20	3		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.3		
Nitration	Abs/cm	*ASTM D7624	>20	9.7		
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.6		
FLUID DEGRA	ADATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	22.0		
Base Number (BN)		ASTM D2896		8.6		
= 3.00 . 10.11001 (214)	grtori/g		3.0			



OIL ANALYSIS REPORT







Certificate L2367

Laboratory Sample No. Lab Number Unique Number Test Package : FLEET

: GFL0085360 : 05899533 : 10560889

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 17 Jul 2023 Diagnosed : 18 Jul 2023 : Jonathan Hester Diagnostician

GFL Environmental - 958A - Chillicothe Wigand

19908 N. State Rd 29 Chillicothe, IL US 61523

Contact: Bryan Link

blink@gflenv.com T:

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)

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