

PROBLEM SUMMARY

Sample Rating Trend

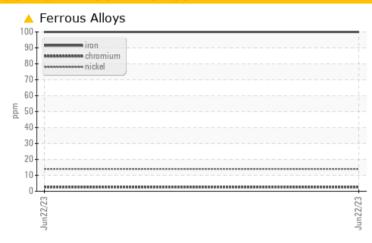




Machine Id
BTR1
Component
Diesel Engine
Fluid

PETRO CANADA DURON SHP 15W40 (9 GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

We recommend that you drain the oil from the component if this has not already been done. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS									
Sample Status				ABNORMAL					
Nickel	ppm	ASTM D5185m	>5	14					
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	2.3					

Customer Id: ORIBET Sample No.: PCA0098099 Lab Number: 05889576 Test Package: FLEET

To manage this report scan the QR code

To discuss the diagnosis or test data: Angela Borella +1 800-237-1369 angela.borella@wearcheckusa.com

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

RECOMMENDE	D ACTIONS			
Action	Status	Date	Done By	Description
Change Fluid			?	We recommend that you drain the oil from the component if this has not already been done.

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT









BTR1 Component **Diesel Engine**

PETRO CANADA DUR

DIAGNOSIS

Recommendation

We recommend that you drain the oil from the component if this has not already been done. Resample at the next service interval to monitor.

The nickel level is abnormal. All other component wear rates are normal.

Contamination

There is no indication of any contamination in the

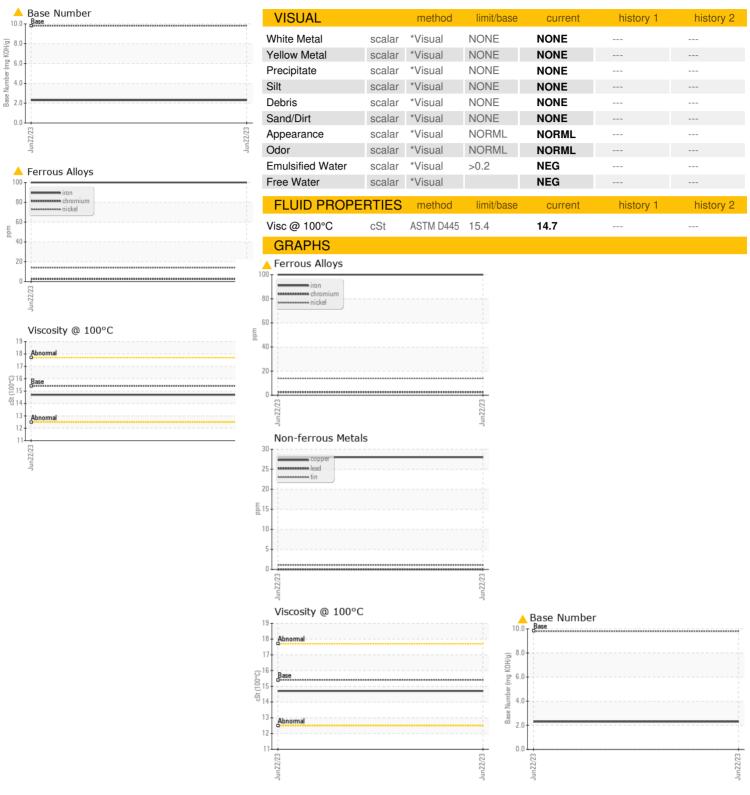
Fluid Condition

The BN level is low. The oil is no longer serviceable.

ON SHP 15W40 (9	GAL)			Jun 2 023		
SAMPLE INFORM	MATION	method	limit/base	current	history 1	history 2
Sample Number		Client Info		PCA0098099		
Sample Date		Client Info		22 Jun 2023		
Machine Age	hrs	Client Info		4151		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		Not Changd		
Sample Status				ABNORMAL		
CONTAMINAT	ION	method	limit/base	current	history 1	history 2
Fuel		WC Method	>3.0	<1.0		
Glycol		WC Method		NEG		
WEAR METAL	S	method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185m	>120	100		
Chromium	ppm	ASTM D5185m	>20	3		
Nickel	ppm	ASTM D5185m	>5	1 4		
Titanium	ppm	ASTM D5185m	>2	0		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m	>20	5		
Lead	ppm	ASTM D5185m	>40	0		
Copper	ppm	ASTM D5185m		28		
Tin		ASTM D5185m	>15	1		
Vanadium	ppm	ASTM D5185m	>10	0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES	ppm		limit/base			
		method			history 1	history 2
Boron	ppm	ASTM D5185m	0	14		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m	60	114		
Manganese	ppm	ASTM D5185m		2		
Magnesium	ppm	ASTM D5185m	1010	598		
Calcium	ppm	ASTM D5185m	1070	1329		
Phosphorus	ppm	ASTM D5185m	1150	799		
Zinc	ppm	ASTM D5185m	1270	1033		
Sulfur	ppm	ASTM D5185m	2060	2573		
CONTAMINAN	TS	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m	>25	12		
Sodium	ppm	ASTM D5185m		8		
Potassium	ppm	ASTM D5185m	>20	11		
INFRA-RED		method	limit/base	current	history 1	history 2
Soot %	%	*ASTM D7844	>4	1.6		
Nitration	Abs/cm	*ASTM D7624	>20	16.4		
Sulfation	Abs/.1mm	*ASTM D7415	>30	31.9		
FLUID DEGRAD	OATION	method	limit/base	current	history 1	history 2
Oxidation	Abs/.1mm	*ASTM D7414	>25	36.6		
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	2.3		



OIL ANALYSIS REPORT







Laboratory

Sample No. Lab Number Unique Number

: PCA0098099 : 05889576 : 10540059 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 03 Jul 2023 Diagnosed : 06 Jul 2023 : Angela Borella Diagnostician

LRS - BETHEL HEIGHTS (NWA AR)

848 HWY 264 E BETHEL HEIGHTS, AR US 72764

Contact: JAMIE HAYWORTH jhayworth@lrsrecycles.com T: (479)878-1384

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)

Report Id: ORIBET [WUSCAR] 05889576 (Generated: 07/06/2023 17:42:30) Rev: 1

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