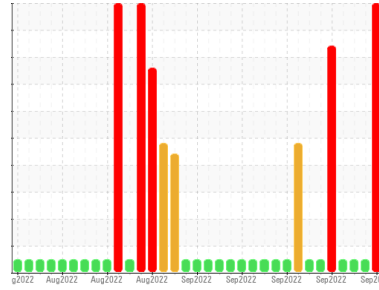




PROBLEM SUMMARY

Area
WCLSNC
 Machine Id
QC DE NC 08012022
 Component
Diesel Engine
 Fluid
PETRO CANADA DURON SHP 15W40 (--- GAL)

Sample Rating Trend

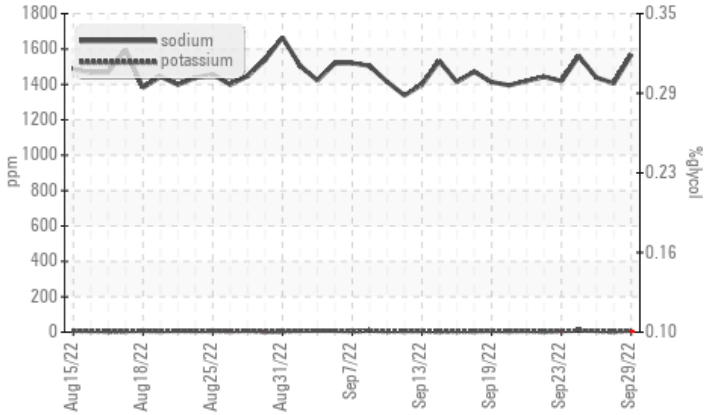


GLYCOL



COMPONENT CONDITION SUMMARY

Glycol Contamination



RECOMMENDATION

PROBLEMATIC TEST RESULTS

Sample Status			SEVERE	NORMAL	NORMAL
Molybdenum	ppm	ASTM D5185m	▲ 103	90	84
Manganese	ppm	ASTM D5185m	▲ 1	<1	<1
Magnesium	ppm	ASTM D5185m	▲ 567	506	505
Sulfur	ppm	ASTM D5185m	▲ 3530	2870	2696
Sodium	ppm	ASTM D5185m	▲ 1567	1406	1439
Potassium	ppm	ASTM D5185m	▲ 9	2	8
Glycol	%	*ASTM D2982	● 0.10	NEG	NEG

Customer Id: WEACARQA
 Sample No.: WC0739991
 Lab Number: 05654091
 Test Package: FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data:
 System Automation +1 905-569-8600 x230
Kevin.Marson@wearcheck.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

28 Sep 2022 Diag: Jonathan Hester

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



27 Sep 2022 Diag: Jonathan Hester

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



26 Sep 2022 Diag: Jonathan Hester

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

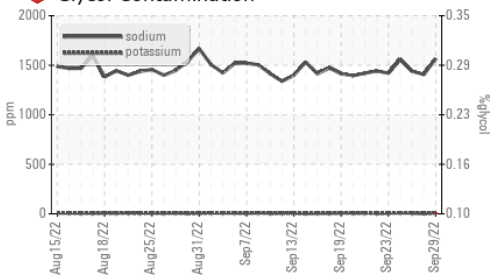
view report



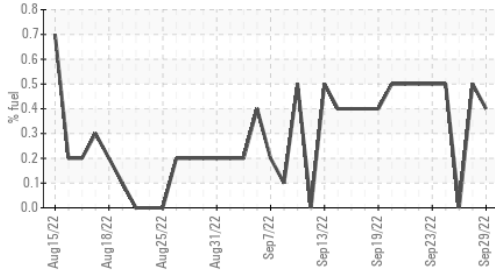


OIL ANALYSIS REPORT

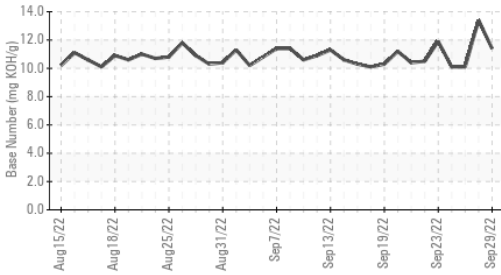
Glycol Contamination



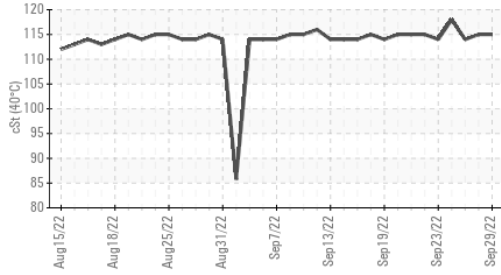
Fuel Dilution



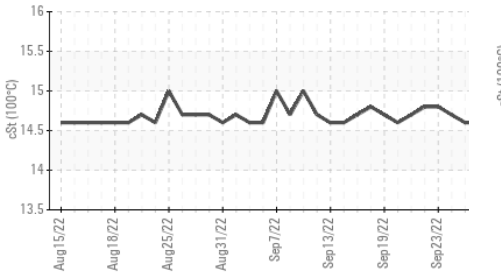
Base Number



Viscosity @ 40°C



Viscosity @ 100°C

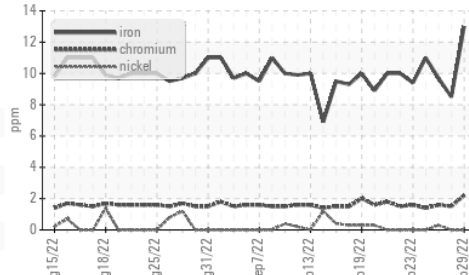


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	NEG	NEG	NEG
Free Water	scalar	*Visual	NEG	NEG	NEG

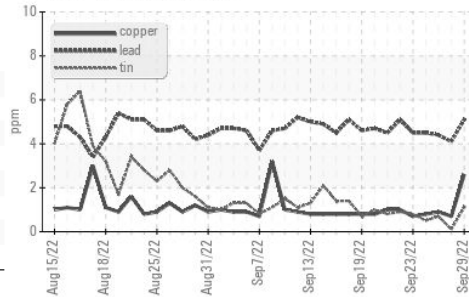
FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	115	115	114
Visc @ 100°C	cSt	ASTM D445	14.7	14.6	14.6
Viscosity Index (VI)	Scale	ASTM D2270	131	129	130

GRAPHS

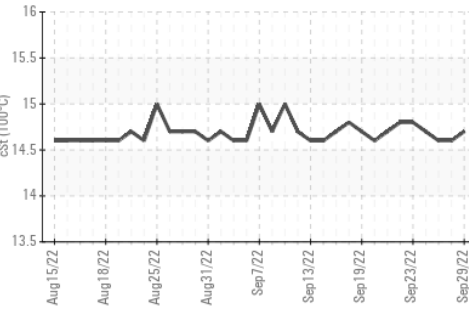
Ferrous Alloys



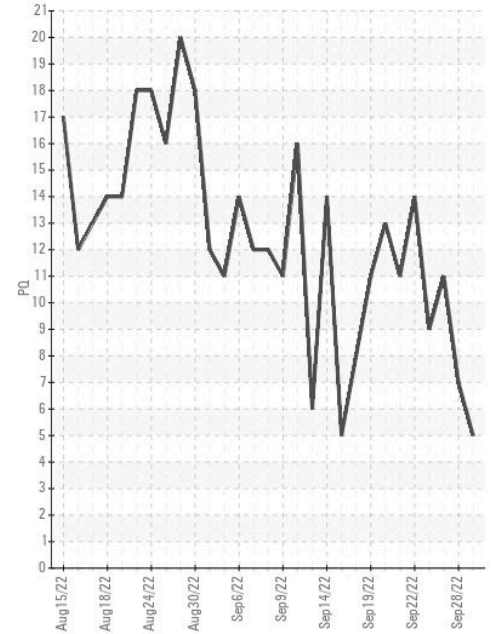
Non-ferrous Metals



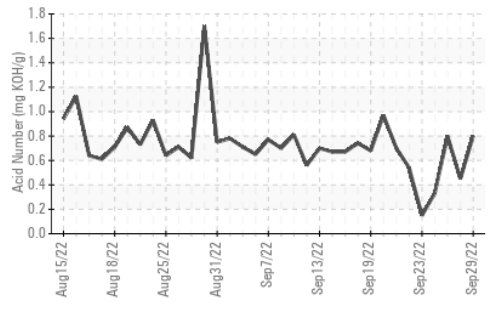
Viscosity @ 100°C



PQ



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0739991 **Received** : 29 Sep 2022
Lab Number : 05654091 **Diagnosed** : 02 Oct 2023
Unique Number : 10153643 **Diagnostician** : System

WEARCHECK LUBRICATION SERVICES QA ACCOUNT

501 Madison Ave
Cary, NC
US 27513

Test Package : FLEET (Additional Tests: FuelDilution, Glycol, KV40, PercentFuel, PQ, VI)Contact: WCLS CARY NC

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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F: (919)379-4050