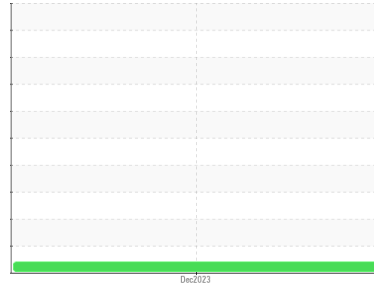




PROBLEM SUMMARY

Sample Rating Trend



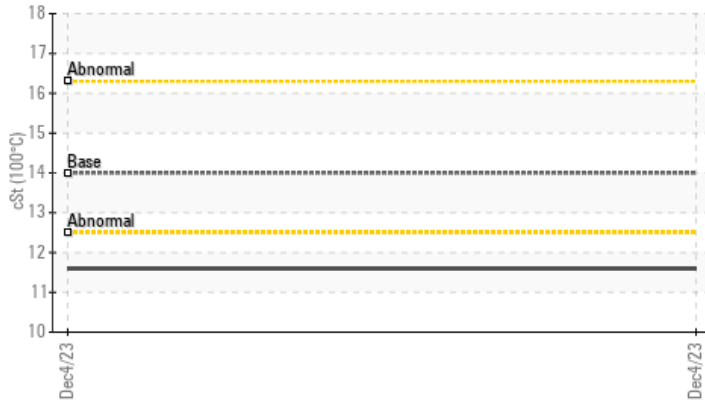
VISCOSITY



Machine Id
INTERNATIONAL Drillers 577
 Component
Diesel Engine
 Fluid
MOBIL DELVAC 1300 SUPER15W40 (30 QTS)

COMPONENT CONDITION SUMMARY

▲ Viscosity @ 100°C



RECOMMENDATION

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

PROBLEMATIC TEST RESULTS

Sample Status				ATTENTION	---	---
Visc @ 100°C	cSt	ASTM D445	14	▲ 11.6	---	---

Customer Id: RUSCHA
 Sample No.: IL0030553
 Lab Number: 06027107
 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

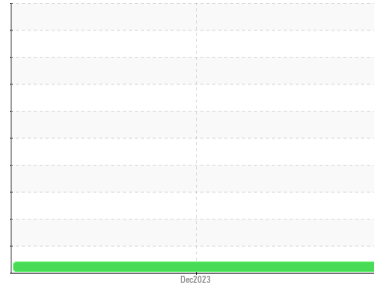
There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend



VISCOSITY



Machine Id
INTERNATIONAL Drillers 577
 Component
Diesel Engine
 Fluid
MOBIL DELVAC 1300 SUPER15W40 (30 QTS)

DIAGNOSIS

▲ Recommendation

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

Wear

All component wear rates are normal.

Contamination

Fuel content negligible. There is no indication of any contamination in the oil.

▲ Fluid Condition

The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	IL0030553	---	---
Sample Date	Client Info	04 Dec 2023	---	---
Machine Age	hrs Client Info	12917	---	---
Oil Age	hrs Client Info	12917	---	---
Oil Changed	Client Info	N/A	---	---
Sample Status		ATTENTION	---	---

CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >0.2	NEG	---	---
Glycol	WC Method	NEG	---	---

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >75	27	---	---
Chromium	ppm ASTM D5185m >5	<1	---	---
Nickel	ppm ASTM D5185m >4	0	---	---
Titanium	ppm ASTM D5185m >2	<1	---	---
Silver	ppm ASTM D5185m >2	0	---	---
Aluminum	ppm ASTM D5185m >15	4	---	---
Lead	ppm ASTM D5185m >25	<1	---	---
Copper	ppm ASTM D5185m >100	19	---	---
Tin	ppm ASTM D5185m >4	<1	---	---
Vanadium	ppm ASTM D5185m	<1	---	---
Cadmium	ppm ASTM D5185m	0	---	---

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m 0	33	---	---
Barium	ppm ASTM D5185m 0	0	---	---
Molybdenum	ppm ASTM D5185m 0	49	---	---
Manganese	ppm ASTM D5185m	5	---	---
Magnesium	ppm ASTM D5185m 0	860	---	---
Calcium	ppm ASTM D5185m	1276	---	---
Phosphorus	ppm ASTM D5185m	778	---	---
Zinc	ppm ASTM D5185m	939	---	---
Sulfur	ppm ASTM D5185m	2353	---	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >25	15	---	---
Sodium	ppm ASTM D5185m	6	---	---
Potassium	ppm ASTM D5185m >20	2	---	---
Fuel	% ASTM D3524 >3.0	0.9	---	---

INFRA-RED

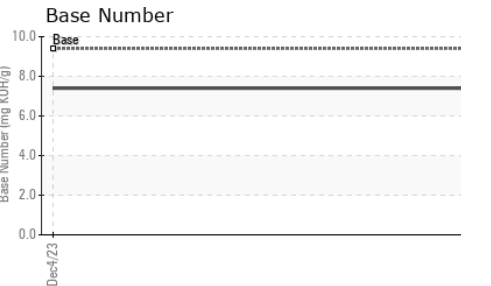
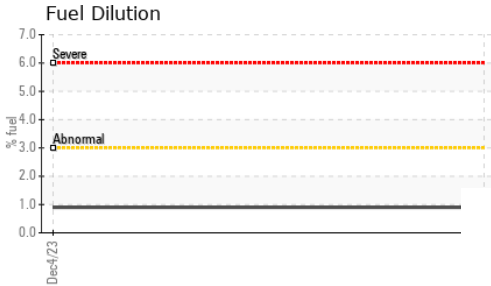
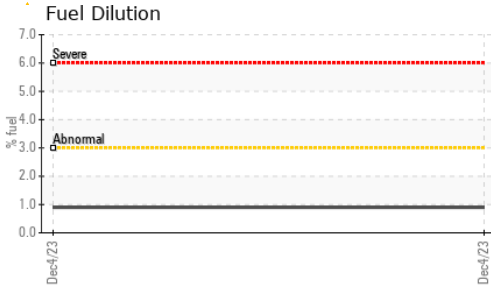
method	limit/base	current	history1	history2
Soot %	% *ASTM D7844 >6	0.2	---	---
Nitration	Abs/cm *ASTM D7624 >20	10.2	---	---
Sulfation	Abs/.1mm *ASTM D7415 >30	20.8	---	---

FLUID DEGRADATION

method	limit/base	current	history1	history2
Oxidation	Abs/.1mm *ASTM D7414 >25	20.2	---	---
Base Number (BN)	mg KOH/g ASTM D2896 9.4	7.4	---	---



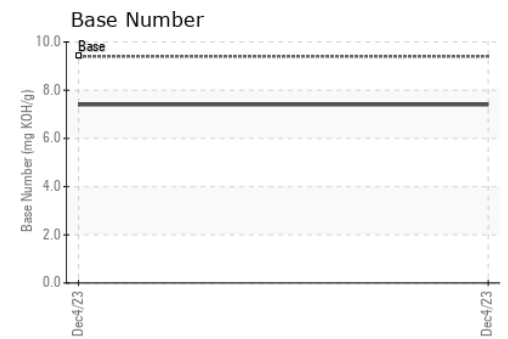
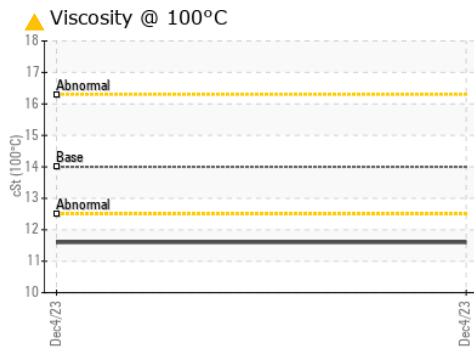
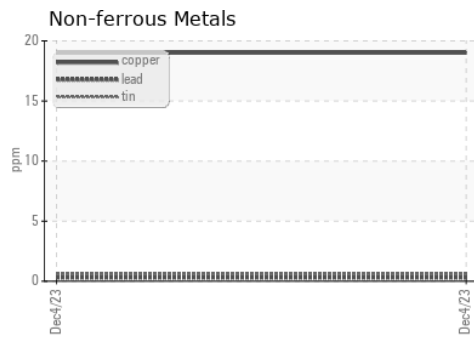
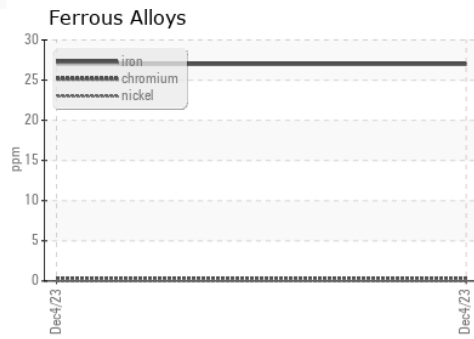
OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Precipitate	scalar	*Visual	NONE	NONE	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.2	NEG	---	---
Free Water	scalar	*Visual		NEG	---	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445 14	▲ 11.6	---	---

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : IL0030553 **Received** : 06 Dec 2023
Lab Number : 06027107 **Diagnosed** : 14 Dec 2023
Unique Number : 10776898 **Diagnostician** : Jonathan Hester
Test Package : FLEET (Additional Tests: FuelDilution, PercentFuel)

RUSH TRUCK LEASING - CHARLOTTE IDEALEASE
 1333 AMERON DR
 CHARLOTTE, NC
 US 28206
 Contact: JERRY DIXON
 dixonj@rushenterprises.com
 T: (704)333-4507
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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)