

OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
2097
 Component
Diesel Engine
 Fluid
MOBIL DELVAC 1300 SUPER15W40 (--- QTS)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor. Please note that this is a corrected copy for data entry updates.

Wear

All component wear rates are normal.

Contamination

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

Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	PCA0099889	---	---
Sample Date	Client Info	03 Oct 2023	---	---
Machine Age	hrs	Client Info	0	---
Oil Age	hrs	Client Info	50	---
Oil Changed	Client Info	N/A	---	---
Sample Status		NORMAL	---	---

CONTAMINATION

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

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >100	7	---
Chromium	ppm	ASTM D5185m >20	<1	---
Nickel	ppm	ASTM D5185m >4	0	---
Titanium	ppm	ASTM D5185m	<1	---
Silver	ppm	ASTM D5185m >3	0	---
Aluminum	ppm	ASTM D5185m >20	0	---
Lead	ppm	ASTM D5185m >40	2	---
Copper	ppm	ASTM D5185m >330	17	---
Tin	ppm	ASTM D5185m >15	2	---
Vanadium	ppm	ASTM D5185m	<1	---
Cadmium	ppm	ASTM D5185m	<1	---

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 0	7	---
Barium	ppm	ASTM D5185m 0	0	---
Molybdenum	ppm	ASTM D5185m 0	50	---
Manganese	ppm	ASTM D5185m	<1	---
Magnesium	ppm	ASTM D5185m 0	814	---
Calcium	ppm	ASTM D5185m	1374	---
Phosphorus	ppm	ASTM D5185m	988	---
Zinc	ppm	ASTM D5185m	1200	---
Sulfur	ppm	ASTM D5185m	3687	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	7	---
Sodium	ppm	ASTM D5185m	7	---
Potassium	ppm	ASTM D5185m >20	3	---
Fuel	%	ASTM D3524 >5	0.4	---

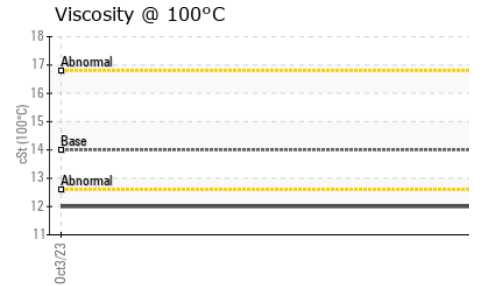
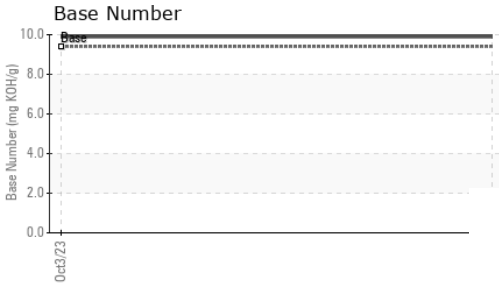
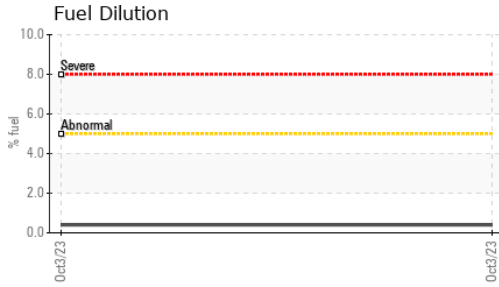
INFRA-RED

method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844 >3	0.1	---
Nitration	Abs/cm	*ASTM D7624 >20	5.4	---
Sulfation	Abs/.1mm	*ASTM D7415 >30	18.1	---

FLUID DEGRADATION

method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414 >25	13.7	---
Base Number (BN)	mg KOH/g	ASTM D2896 9.4	9.9	---

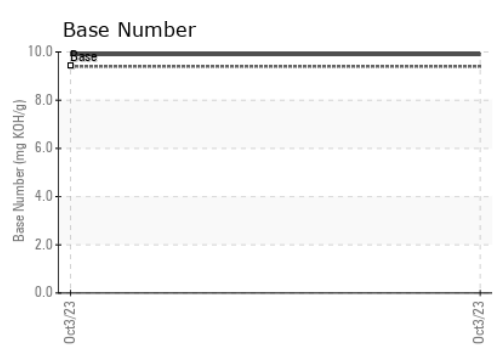
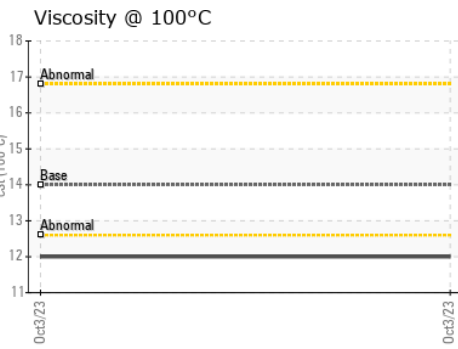
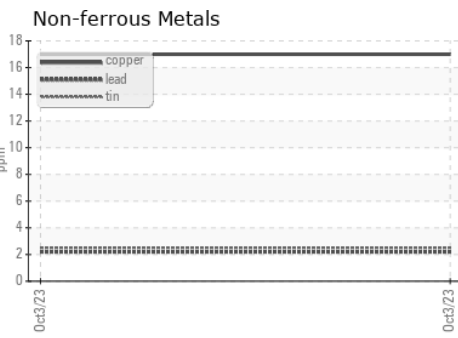
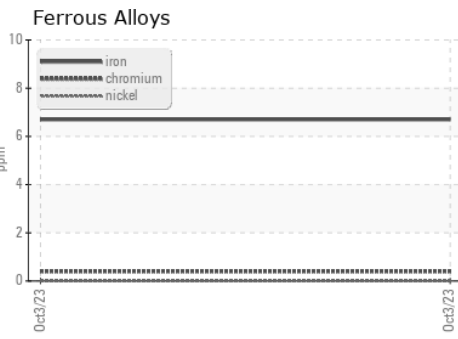
OIL ANALYSIS REPORT



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	12.0	---	---

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0099889 **Received** : 04 Oct 2023
Lab Number : **05969457** **Diagnosed** : 20 Oct 2023
Unique Number : 10676008 **Diagnostician** : Doug Bogart
Test Package : FLEET (Additional Tests: FuelDilution, PercentFuel)

AMERICAN NATURAL SUPPLY
 12475 RTE 119 HWY N
 ROCHESTER MILLS, PA
 US 15771
 Contact: SCOTT KINTER
 skinter@americannatural.com

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)