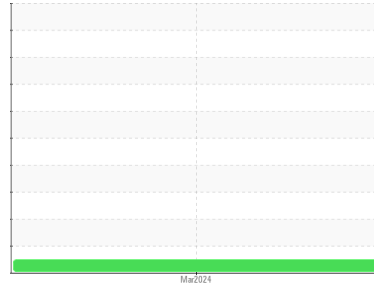


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
DRIVETRAIN TO-4 30
 Component
New (Unused) Oil
 Fluid
{not provided} (--- LTR)

DIAGNOSIS

Recommendation

This is a baseline read-out on the submitted sample.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	PCA0087818	---	---
Sample Date	Client Info	25 Mar 2024	---	---
Machine Age	hrs Client Info	0	---	---
Oil Age	hrs Client Info	0	---	---
Oil Changed	Client Info	N/A	---	---
Sample Status		NORMAL	---	---

CONTAMINATION

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

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m	2	---	---
Chromium	ppm ASTM D5185m	<1	---	---
Nickel	ppm ASTM D5185m	<1	---	---
Titanium	ppm ASTM D5185m	<1	---	---
Silver	ppm ASTM D5185m	0	---	---
Aluminum	ppm ASTM D5185m	2	---	---
Lead	ppm ASTM D5185m	<1	---	---
Copper	ppm ASTM D5185m	<1	---	---
Tin	ppm ASTM D5185m	<1	---	---
Vanadium	ppm ASTM D5185m	<1	---	---
Cadmium	ppm ASTM D5185m	<1	---	---

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	6	---	---
Barium	ppm ASTM D5185m	0	---	---
Molybdenum	ppm ASTM D5185m	3	---	---
Manganese	ppm ASTM D5185m	<1	---	---
Magnesium	ppm ASTM D5185m	14	---	---
Calcium	ppm ASTM D5185m	3791	---	---
Phosphorus	ppm ASTM D5185m	840	---	---
Zinc	ppm ASTM D5185m	1020	---	---
Sulfur	ppm ASTM D5185m	4171	---	---

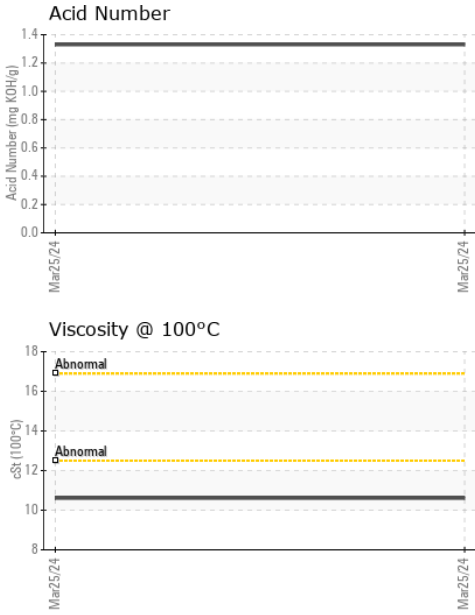
CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m	4	---	---
Sodium	ppm ASTM D5185m	0	---	---
Potassium	ppm ASTM D5185m >20	2	---	---

FLUID DEGRADATION


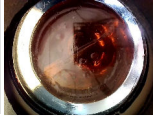
method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045	1.33	---	---

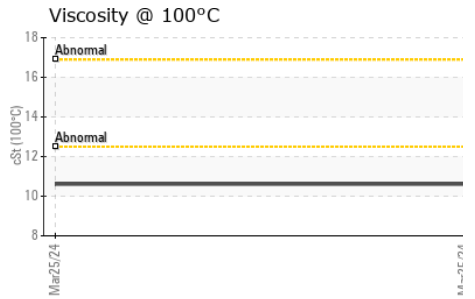
OIL ANALYSIS REPORT



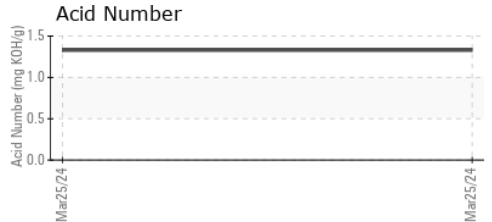
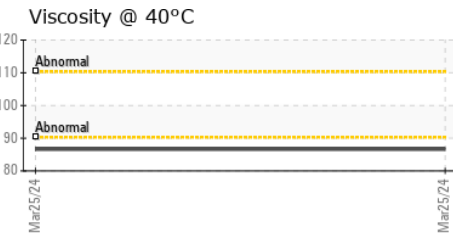
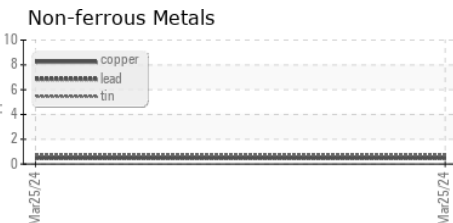
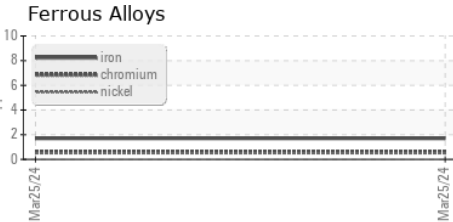
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	86.64	---	---
Visc @ 100°C	cSt	ASTM D445	10.61	---	---
Viscosity Index (VI)	Scale	ASTM D2270	105	---	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				no image	no image
Bottom				no image	no image



GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0087818 **Received** : 29 Mar 2024
Lab Number : 06134327 **Tested** : 08 Apr 2024
Unique Number : 10953792 **Diagnosed** : 08 Apr 2024 - Jonathan Hester
Test Package : IND 2 (Additional Tests: FT-IR, KV100, PrtCount, VI)

COLE OIL AND PROPANE
 310 PLEASANT HILL AVE
 LOMIRA, WI
 US 53048
 Contact: katrina Thom
 orderlubes@coleoil.net

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)

T: (920)923-7828