

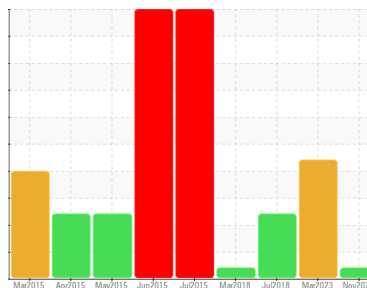


PROBLEM SUMMARY

Area
BREADED FRT [7237618]
Machine Id
MEPACO 933005 (S/N 4707)

Component
Gearbox
Fluid
GEAR OIL ISO 680 (12 QTS)

Sample Rating Trend

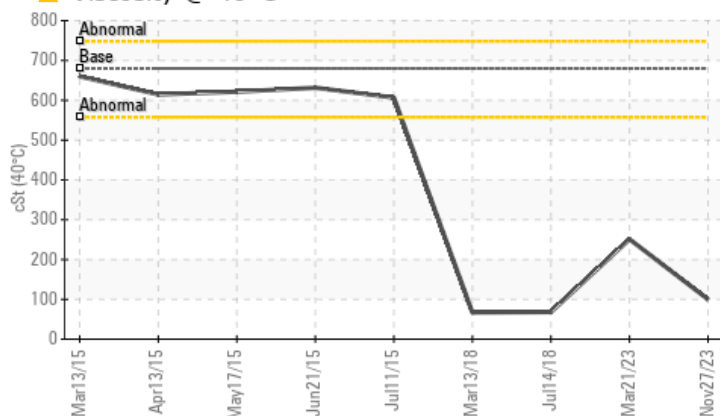


VISCOSITY



COMPONENT CONDITION SUMMARY

▲ Viscosity @ 40°C



RECOMMENDATION

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

PROBLEMATIC TEST RESULTS

Sample Status				ATTENTION	SEVERE	ATTENTION
Visc @ 40°C	cSt	ASTM D445	680	▲ 99.9	▲ 251	68.2

Customer Id: PERBRIVA
Sample No.: BRI008191
Lab Number: 06030087
Test Package: IND 1



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

21 Mar 2023 Diag: Jonathan Hester

WATER



We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. All component wear rates are normal. Appearance is milky. There is a high concentration of water present in the oil. Viscosity of sample indicates oil is within ISO 220 range, advise investigate. Confirm oil type. The oil is no longer serviceable due to the presence of contaminants.

view report



14 Jul 2018 Diag: Jonathan Hester

WATER



No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Appearance is hazy. There is a trace of moisture present in the oil. The condition of the oil is acceptable for the time in service.

view report



13 Mar 2018 Diag: Jonathan Hester

VISCOSITY



No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Viscosity of sample indicates oil is within ISO 68 range, advise investigate. Confirm oil type.

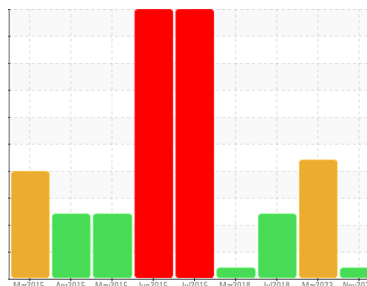
view report





OIL ANALYSIS REPORT

Sample Rating Trend



VISCOSITY



Area
BREADED FRT [7237618]
 Machine Id
MEPACO 933005 (S/N 4707)
 Component
Gearbox
 Fluid
GEAR OIL ISO 680 (12 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

There is no indication of any contamination in the oil.

Fluid Condition

The oil viscosity is lower than normal. Confirm oil type.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	BRI008191	BRI008337	BR003163
Sample Date	Client Info	27 Nov 2023	21 Mar 2023	14 Jul 2018
Machine Age	hrs	0	0	0
Oil Age	hrs	0	0	0
Oil Changed	Client Info	N/A	N/A	N/A
Sample Status		ATTENTION	SEVERE	ATTENTION

CONTAMINATION

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

WEAR METALS

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m >200	2	66	91
Chromium	ppm	ASTM D5185m >15	0	<1	<1
Nickel	ppm	ASTM D5185m >15	0	0	0
Titanium	ppm	ASTM D5185m	<1	0	0
Silver	ppm	ASTM D5185m	0	0	0
Aluminum	ppm	ASTM D5185m >25	<1	1	0
Lead	ppm	ASTM D5185m >100	0	<1	0
Copper	ppm	ASTM D5185m >200	<1	0	0
Tin	ppm	ASTM D5185m >25	0	0	0
Antimony	ppm	ASTM D5185m >5	---	---	0
Vanadium	ppm	ASTM D5185m	0	0	0
Cadmium	ppm	ASTM D5185m	0	<1	0

ADDITIVES

method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m 50	0	0	3
Barium	ppm	ASTM D5185m 15	0	0	0
Molybdenum	ppm	ASTM D5185m 15	<1	0	0
Manganese	ppm	ASTM D5185m	0	1	1
Magnesium	ppm	ASTM D5185m 50	0	0	0
Calcium	ppm	ASTM D5185m 50	5	0	0
Phosphorus	ppm	ASTM D5185m 350	150	437	311
Zinc	ppm	ASTM D5185m 100	14	74	14
Sulfur	ppm	ASTM D5185m 12500	145	303	1580

CONTAMINANTS

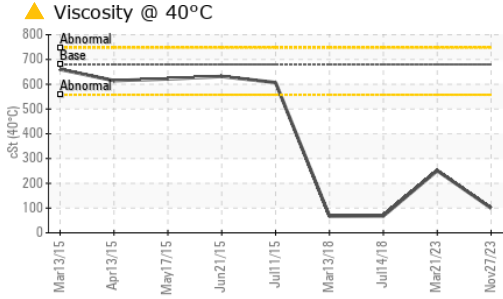
method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m >50	29	5	16
Sodium	ppm	ASTM D5185m	4	10	2
Potassium	ppm	ASTM D5185m >20	1	10	2

VISUAL

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



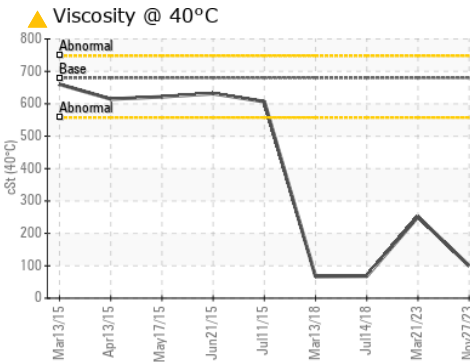
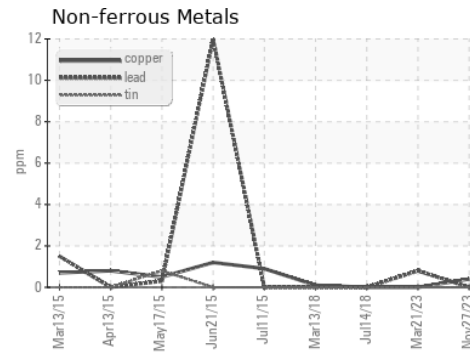
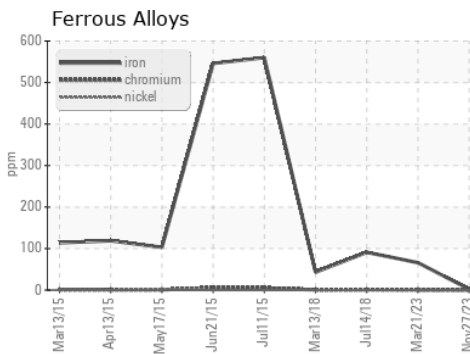
OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 680	▲ 99.9	▲ 251	68.2

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : BRI008191 **Received** : 08 Dec 2023
Lab Number : 06030087 **Diagnosed** : 15 Dec 2023
Unique Number : 10779878 **Diagnostician** : Jonathan Hester
Test Package : IND 1

PERDUE FARMS INC
 100 QUALITY ST
 BRIDGEWATER, VA
 US 22812
 Contact: BILLY GOLDEN
 WILLIAM.GOLDEN@PERDUE.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)

T:
F: