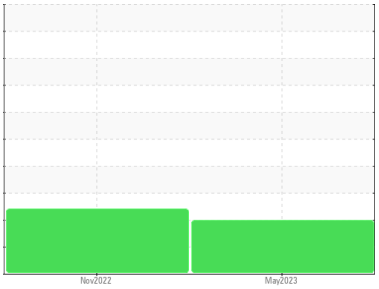
PROBLEM SUMMARY

Sample Rating Trend

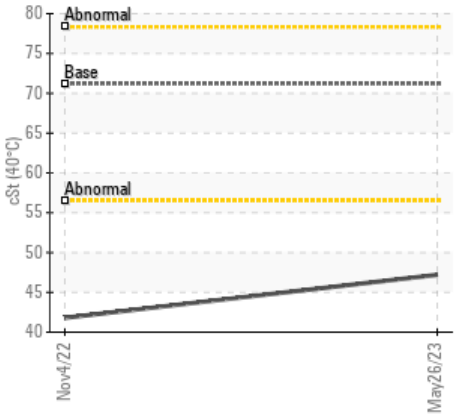


WEAR

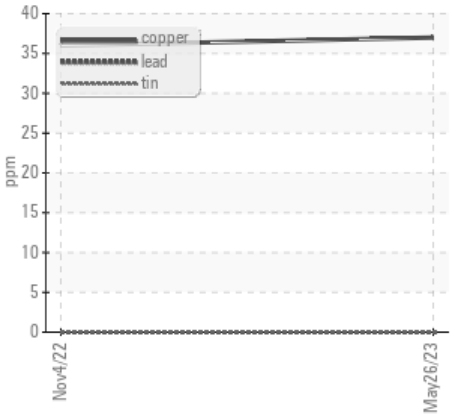
Area
BAE SYSTEM
Machine Id
B1318 TABLE HYDROSTATIC
Component
Hydraulic System
Fluid
MOBIL DTE 26 (--- GAL)

COMPONENT CONDITION SUMMARY

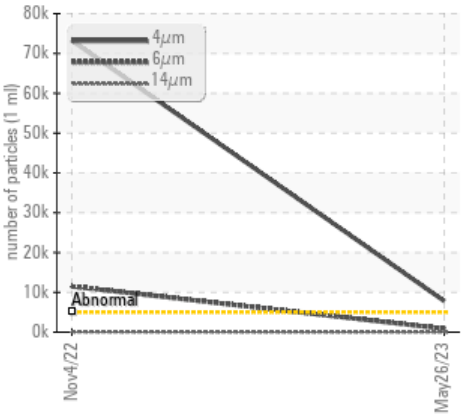
▲ Viscosity @ 40°C



▲ Non-ferrous Metals



▲ Particle Trend



RECOMMENDATION

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

PROBLEMATIC TEST RESULTS

Sample Status				**ABNORMAL**	ABNORMAL	---
Copper	ppm	ASTM D5185m	>20	▲ **37**	▲ 36	---
Particles >4µm		ASTM D7647	>5000	▲ **7825**	▲ 73237	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	▲ **20/17/12**	▲ 23/21/13	---
Visc @ 40°C	cSt	ASTM D445	71.2	▲ **47.2**	▲ 41.8	---

Customer Id: MOTYOR
Sample No.: WC0802171
Lab Number: 05863598
Test Package: IND 2

To manage this report scan the QR code

To discuss the diagnosis or test data:
Don Baldridge +1
don.b505@comcast.net

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

04 Nov 2022 Diag: Jonathan Hester

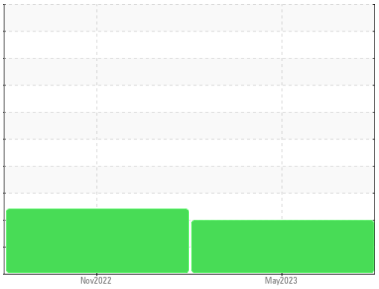
WEAR

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.The copper level is abnormal. All other component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. The oil viscosity is lower than typical, possibly indicating the addition of lighter grade oil.

view report

OIL ANALYSIS REPORT

Sample Rating Trend



WEAR

Area
BAE SYSTEM
Machine Id
B1318 TABLE HYDROSTATIC
Component
Hydraulic System
Fluid
MOBIL DTE 26 (--- GAL)

DIAGNOSIS

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

Wear
The copper level is abnormal. All other component wear rates are normal.

Contamination
There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

Fluid Condition
The oil viscosity is lower than typical, possibly indicating the addition of lighter grade oil. The AN level is acceptable for this fluid.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**WC0802171**	WC0749785	---
Sample Date		Client Info		**26 May 2023**	04 Nov 2022	---
Machine Age	hrs	Client Info		**0**	0	---
Oil Age	hrs	Client Info		**0**	0	---
Oil Changed		Client Info		**Not Changd**	N/A	---
Sample Status				**ABNORMAL**	ABNORMAL	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	**0**	2	---
Chromium	ppm	ASTM D5185m	>20	**0**	0	---
Nickel	ppm	ASTM D5185m	>20	**0**	0	---
Titanium	ppm	ASTM D5185m		**0**	0	---
Silver	ppm	ASTM D5185m		**0**	0	---
Aluminum	ppm	ASTM D5185m	>20	**0**	0	---
Lead	ppm	ASTM D5185m	>20	**0**	0	---
Copper	ppm	ASTM D5185m	>20	▲ **37**	▲ 36	---
Tin	ppm	ASTM D5185m	>20	**0**	0	---
Vanadium	ppm	ASTM D5185m		**0**	0	---
Cadmium	ppm	ASTM D5185m		**0**	<1	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		**0**	1	---
Barium	ppm	ASTM D5185m		**0**	0	---
Molybdenum	ppm	ASTM D5185m		**0**	0	---
Manganese	ppm	ASTM D5185m		**0**	0	---
Magnesium	ppm	ASTM D5185m		**0**	0	---
Calcium	ppm	ASTM D5185m		**57**	45	---
Phosphorus	ppm	ASTM D5185m		**324**	351	---
Zinc	ppm	ASTM D5185m		**366**	421	---
Sulfur	ppm	ASTM D5185m		**1805**	1978	---

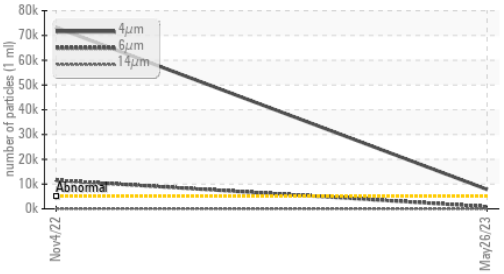
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	**0**	<1	---
Sodium	ppm	ASTM D5185m		**2**	<1	---
Potassium	ppm	ASTM D5185m	>20	**0**	0	---

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	▲ **7825**	▲ 73237	---
Particles >6µm		ASTM D7647	>1300	**862**	▲ 11494	---
Particles >14µm		ASTM D7647	>160	**26**	66	---
Particles >21µm		ASTM D7647	>40	**7**	4	---
Particles >38µm		ASTM D7647	>10	**1**	0	---
Particles >71µm		ASTM D7647	>3	**0**	0	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	▲ **20/17/12**	▲ 23/21/13	---

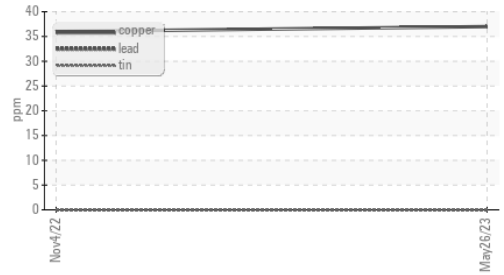
FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		**0.47**	0.44	---

OIL ANALYSIS REPORT

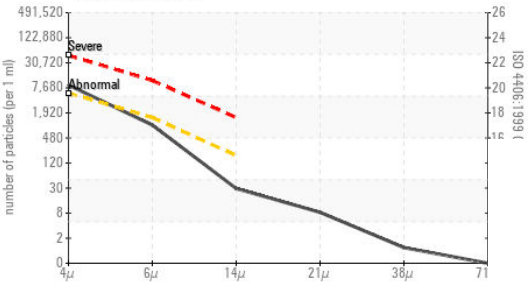
Particle Trend



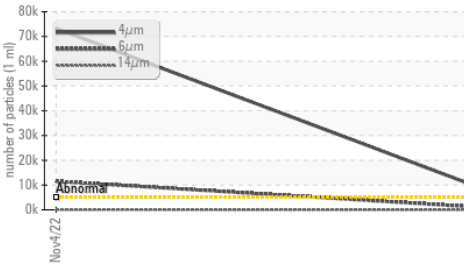
Non-ferrous Metals



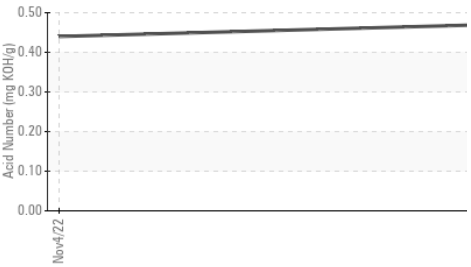
Particle Count



Particle Trend

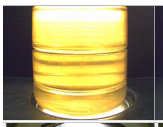
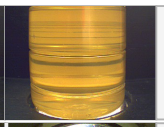
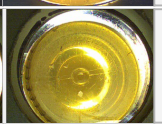


Acid Number



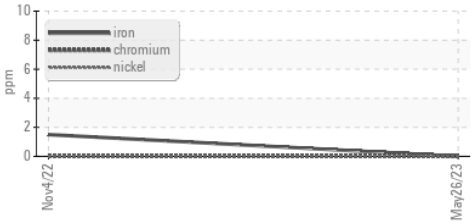
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	NONE	---
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	---
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	---
Silt	scalar	*Visual	NONE	**NONE**	NONE	---
Debris	scalar	*Visual	NONE	**LIGHT**	NONE	---
Sand/Dirt	scalar	*Visual	NONE	**NONE**	NONE	---
Appearance	scalar	*Visual	NORML	**NORML**	NORML	---
Odor	scalar	*Visual	NORML	**NORML**	NORML	---
Emulsified Water	scalar	*Visual	>0.05	**NEG**	NEG	---
Free Water	scalar	*Visual		**NEG**	NEG	---

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	71.2	▲ **47.2**	▲ 41.8	---

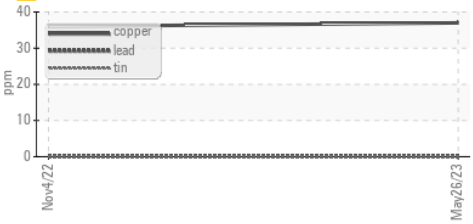
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					*no image*
Bottom					*no image*

GRAPHS

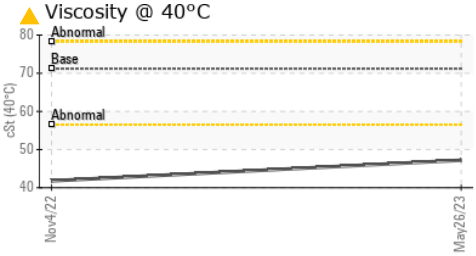
Ferrous Alloys



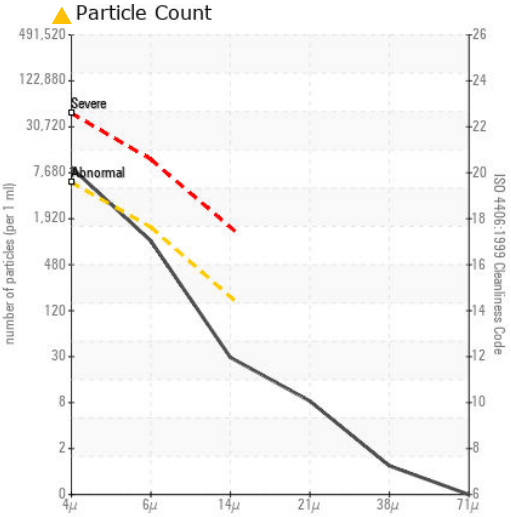
Non-ferrous Metals



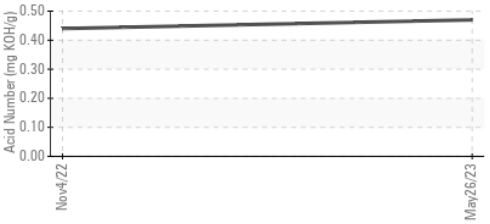
Viscosity @ 40°C



Particle Count



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0802171 **Received** : 02 Jun 2023
Lab Number : 05863598 **Diagnosed** : 06 Jun 2023
Unique Number : 10498063 **Diagnostician** : Don Baldridge
Test Package : IND 2

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)

MOTOR TECHNOLOGY INC
515 WILLOW SPRINGS LN
YORK, PA
US 17406
Contact: Bill Trimmer
btrimmer@motortechnologyinc.com
T: (717)266-4045
F: