



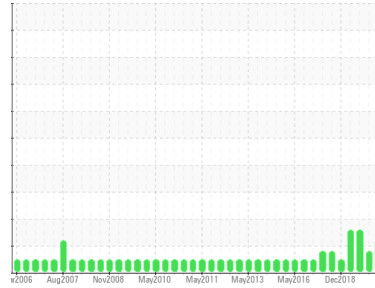
PROBLEM SUMMARY

Sample Rating Trend

ISO

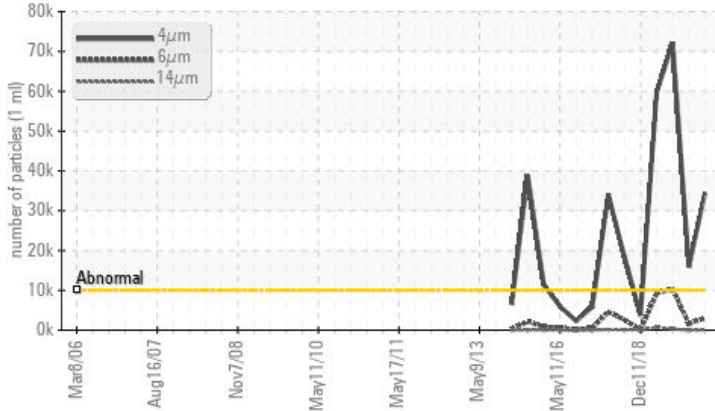
Area
COMMON BEARING SUMP FOR MULTIPLE BEARINGS
Machine Id
TOP G BRG

Component
Bearing
Fluid
MOBIL DTE OIL HVY MEDIUM (90 LTR)



COMPONENT CONDITION SUMMARY

▲ Particle Trend



RECOMMENDATION

We recommend you service the filters on this component. We recommend an early resample to monitor this condition. (Customer Sample Comment: Sample taken after 1hr 30min at 2150 kw after new bearing installed following thrust collar repair.)

PROBLEMATIC TEST RESULTS

Sample Status			ABNORMAL	ATTENTION	ABNORMAL
Particles >4µm	ASTM D7647	>10000	▲ 34481	▲ 15931	▲ 72174
Particles >6µm	ASTM D7647	>2500	▲ 3038	1604	▲ 10260
Oil Cleanliness	ISO 4406 (c)	>20/18/14	▲ 22/19/12	▲ 21/18/11	▲ 23/21/15

Customer Id: NEWSTJ
Sample No.: WC0455666
Lab Number: 02554156
Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
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To change component or sample information:
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RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Change Filter	MISSED	Jun 12 2023	?	We recommend you service the filters on this component.
Resample	MISSED	Jun 12 2023	?	We recommend an early resample to monitor this condition.

HISTORICAL DIAGNOSIS

21 Nov 2022 Diag: Kevin Marson

ISO



We recommend you service the filters on this component. Resample at the next service interval to monitor. All component wear rates are normal. There is a light amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



03 Mar 2022 Diag: Kevin Marson

ISO



We recommend you service the filters on this component. We recommend an early resample to monitor this condition. All component wear rates are normal. Particles >4µm are abnormally high. Particles >6µm are abnormally high. Particles >14µm are notably high. Particles >21µm are notably high. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



02 May 2019 Diag: Wes Davis

ISO



We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. We recommend an early resample to monitor this condition. All component wear rates are normal. Particles >14µm are abnormally high. Particles >21µm are abnormally high. Particles >4µm are abnormally high. Particles >6µm are abnormally high. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

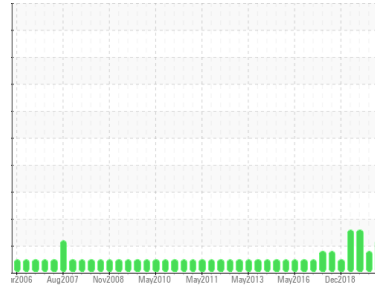
view report





OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Area
Machine Id
COMMON BEARING SUMP FOR MULTIPLE BEARINGS
TOP G BRG

Component
Bearing
Fluid
MOBIL DTE OIL HVY MEDIUM (90 LTR)

DIAGNOSIS

▲ Recommendation

We recommend you service the filters on this component. We recommend an early resample to monitor this condition. (Customer Sample Comment: Sample taken after 1hr 30min at 2150 kw after new bearing installed following thrust collar repair.)

Wear

All 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 AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0455666	WC0455606	WC0445328
Sample Date	Client Info		21 Feb 2023	21 Nov 2022	03 Mar 2022
Machine Age	hrs	Client Info	0	0	0
Oil Age	hrs	Client Info	0	0	0
Oil Changed	Client Info		N/A	N/A	N/A
Sample Status			ABNORMAL	ATTENTION	ABNORMAL

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>2	NEG	NEG	NEG

WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184*		0	0	0
Iron	ppm	ASTM D5185(m) >63	<1	<1	<1
Chromium	ppm	ASTM D5185(m) >20	0	0	0
Nickel	ppm	ASTM D5185(m) >20	<1	0	<1
Titanium	ppm	ASTM D5185(m)	<1	0	0
Silver	ppm	ASTM D5185(m)	0	0	0
Aluminum	ppm	ASTM D5185(m) >2	0	0	0
Lead	ppm	ASTM D5185(m) >161	3	9	4
Copper	ppm	ASTM D5185(m) >13	<1	<1	<1
Tin	ppm	ASTM D5185(m) >27	<1	0	<1
Antimony	ppm	ASTM D5185(m)	<1	<1	<1
Vanadium	ppm	ASTM D5185(m)	0	0	0
Beryllium	ppm	ASTM D5185(m)	0	0	0
Cadmium	ppm	ASTM D5185(m)	<1	<1	0

ADDITIVES

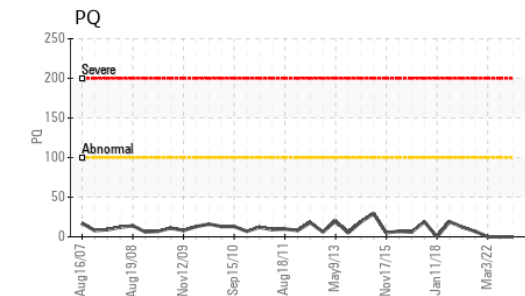
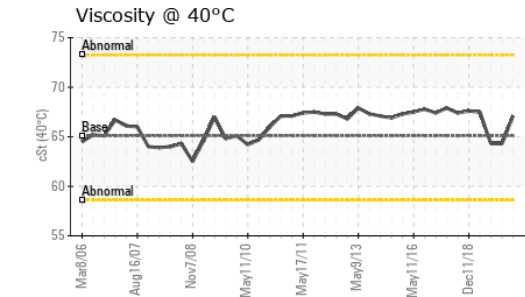
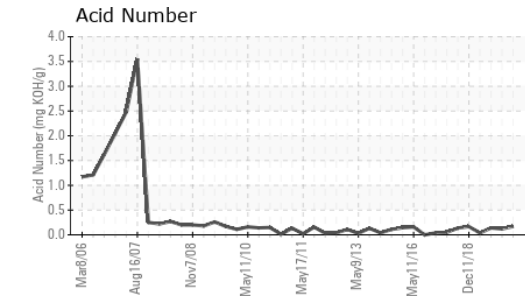
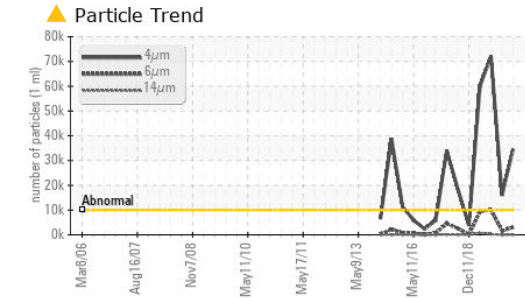
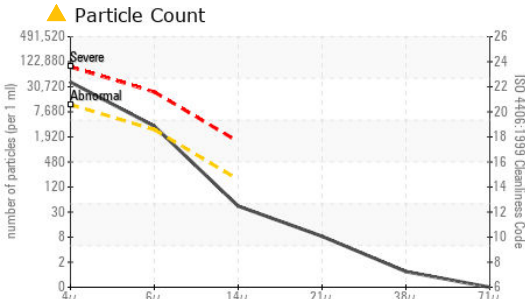
	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	<1	<1	<1
Barium	ppm	ASTM D5185(m)	0	0	0
Molybdenum	ppm	ASTM D5185(m)	0	0	0
Manganese	ppm	ASTM D5185(m)	0	0	0
Magnesium	ppm	ASTM D5185(m)	0	0	0
Calcium	ppm	ASTM D5185(m)	0	0	<1
Phosphorus	ppm	ASTM D5185(m)	162	132	134
Zinc	ppm	ASTM D5185(m)	79	67	77
Sulfur	ppm	ASTM D5185(m)	812	464	451
Lithium	ppm	ASTM D5185(m)	<1	<1	<1

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >12	<1	<1	1
Sodium	ppm	ASTM D5185(m)	0	<1	0
Potassium	ppm	ASTM D5185(m) >20	0	<1	<1



OIL ANALYSIS REPORT



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0455666 **Received** : 28 Apr 2023
Lab Number : 02554156 **Diagnosed** : 02 May 2023
Unique Number : 5567171 **Diagnostician** : Kevin Marson
Test Package : IND 2 (Additional Tests: PRTCOUNT, TAN Man)

To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.

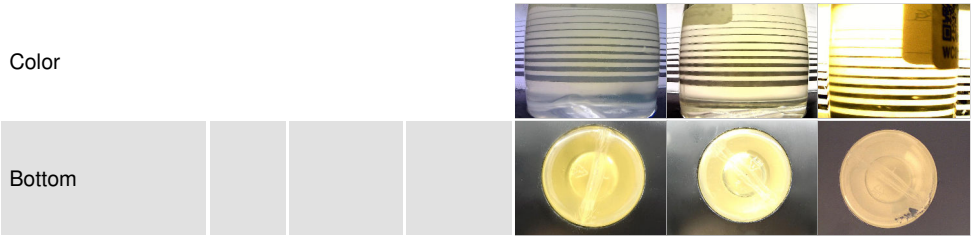
FLUID CLEANLINESS	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>10000	▲ 34481	▲ 15931	▲ 72174
Particles >6µm	ASTM D7647	>2500	▲ 3038	1604	▲ 10260
Particles >14µm	ASTM D7647	>160	37	17	▲ 281
Particles >21µm	ASTM D7647	>40	7	3	▲ 58
Particles >38µm	ASTM D7647	>10	1	0	3
Particles >71µm	ASTM D7647	>3	0	0	0
Oil Cleanliness	ISO 4406 (c)	>20/18/14	▲ 22/19/12	▲ 21/18/11	▲ 23/21/15

FLUID DEGRADATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D974*		0.17	0.12	0.14

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	VLITE
Sand/Dirt	scalar Visual*	NONE	NONE	NONE	VLITE
Appearance	scalar Visual*	NORML	NORML	NORML	NORML
Odor	scalar Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar Visual*	>2	NEG	NEG	NEG
Free Water	scalar Visual*		NEG	NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D7279(m)	65.1	67.1	64.3	64.3

SAMPLE IMAGES



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