



PROBLEM SUMMARY

Sample Rating Trend

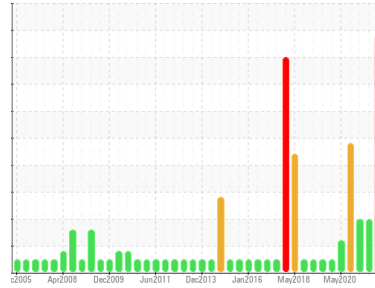
ISO



Machine Id
SCV G2 THBR

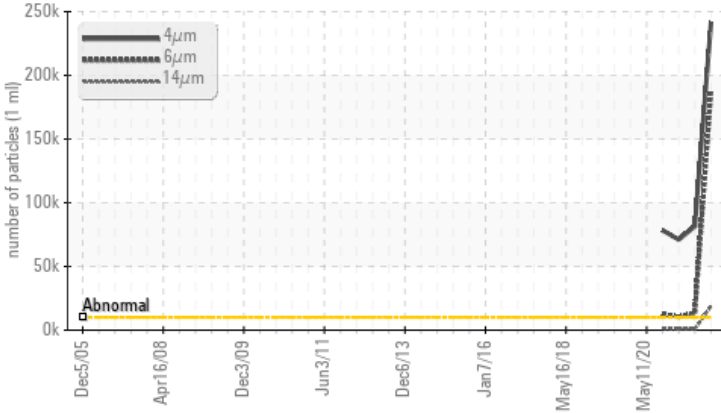
Component
Thrust Bearing

Fluid
MOBIL DTE OIL HVY MEDIUM (24 LTR)



COMPONENT CONDITION SUMMARY

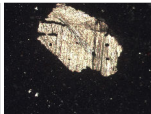
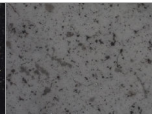
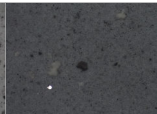
Particle Trend



RECOMMENDATION

We advise that you check all areas where contaminants can enter the system. We advise that you check for visible metal particles in the oil. We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. Resample in 30-45 days to monitor this situation.

PROBLEMATIC TEST RESULTS

Sample Status			SEVERE	SEVERE	ABNORMAL
Particles >4µm	ASTM D7647	>10000	🔴 241731	🔴 81520	🟡 71038
Particles >6µm	ASTM D7647	>2500	🔴 187678	🟡 13409	🟡 10401
Particles >14µm	ASTM D7647	>160	🔴 18758	🟡 848	🟡 943
Particles >21µm	ASTM D7647	>40	🔴 863	🟡 200	🟡 273
Oil Cleanliness	ISO 4406 (c)	>20/18/14	🔴 25/25/21	🔴 24/21/17	🟡 23/21/17
White Metal	scalar	Visual*	🟡 LIGHT	NONE	NONE
PrtFilter					

Customer Id: NEWSTJ
Sample No.: WC0445192
Lab Number: 02517618
Test Package: IND 2



To manage this report scan the QR code

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RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Change Filter	MISSED	Dec 20 2022	?	We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid.
Resample	MISSED	Dec 20 2022	?	Resample in 30-45 days to monitor this situation.
Check Breathers	MISSED	Dec 20 2022	?	The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather.
Check Dirt Access	MISSED	Dec 20 2022	?	We advise that you check all areas where contaminants can enter the system.
Check For Visual Metal	MISSED	Dec 20 2022	?	We advise that you check for visible metal particles in the oil.
Filter Fluid	MISSED	Dec 20 2022	?	We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid.

HISTORICAL DIAGNOSIS

03 Feb 2022 Diag: Kevin Marson

ISO



We advise that you check all areas where contaminants can enter the system. We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. Resample in 30-45 days to monitor this situation. All component wear rates are normal. Particles >4µm are severely high. Particles >6µm are abnormally high. Particles >14µm are abnormally high. Particles >21µm are abnormally high. The water content is negligible. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



04 May 2021 Diag: Kevin Marson

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 >38µm are abnormally high. Particles >6µm are abnormally high. The water content is negligible. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



26 Nov 2020 Diag: Kevin Marson

ISO



We advise that you check all areas where contaminants can enter the system. We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. Resample in 30-45 days to monitor this situation. Light concentration of visible metal present. Particles >21µm are severely high. Particles >4µm are abnormally high. Particles >38µm are abnormally high. Particles >6µm are abnormally high. Particles >14µm are abnormally high. The water content is negligible. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

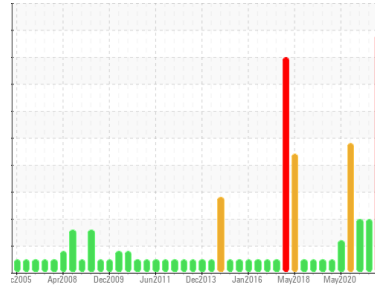
view report





OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Machine Id
SCV G2 THBR

Component
Thrust Bearing

Fluid
MOBIL DTE OIL HVY MEDIUM (24 LTR)

DIAGNOSIS

Recommendation

We advise that you check all areas where contaminants can enter the system. We advise that you check for visible metal particles in the oil. We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. Resample in 30-45 days to monitor this situation.

Wear

Moderate concentration of visible metal present. Bearing wear is indicated.

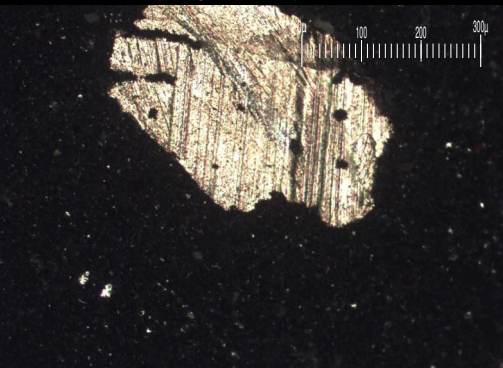
Contamination

Particles >14µm are severely high. Particles >21µm are severely high. Particles >6µm are severely high. Oil Cleanliness are severely high. Particles >4µm are severely high.

Fluid Condition

The AN level is acceptable for this fluid. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Particle Filter (Magn: 100 x)



SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			WC0445192	WC0328012	WC0328006
Sample Date	Client Info			01 May 2022	03 Feb 2022	04 May 2021
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				SEVERE	SEVERE	ABNORMAL

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

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>85	35	4	4
Chromium	ppm	ASTM D5185(m)		0	0	0
Nickel	ppm	ASTM D5185(m)		0	<1	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		0	0	0
Aluminum	ppm	ASTM D5185(m)	>40	0	0	0
Lead	ppm	ASTM D5185(m)	>60	<1	1	1
Copper	ppm	ASTM D5185(m)	>7	1	<1	<1
Tin	ppm	ASTM D5185(m)	>40	16	29	27
Antimony	ppm	ASTM D5185(m)		2	2	2
Vanadium	ppm	ASTM D5185(m)		0	0	0
Beryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m)		0	0	0

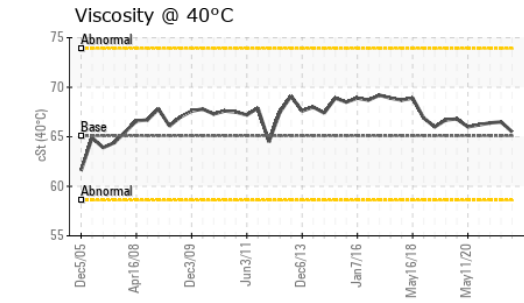
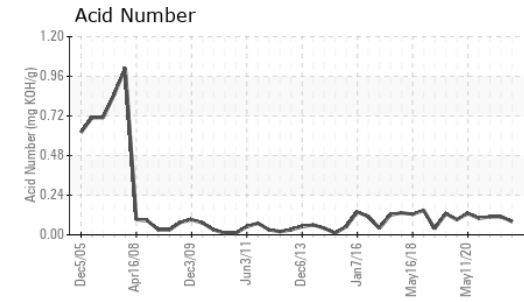
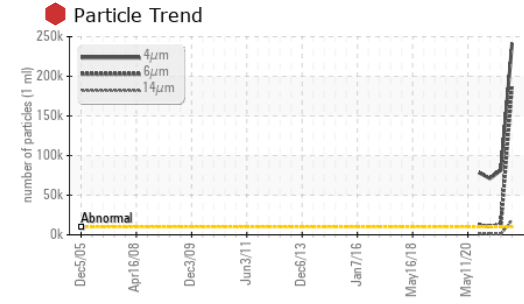
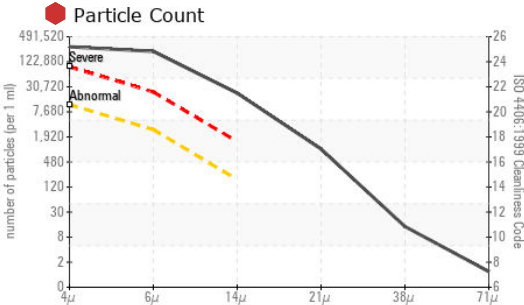
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		0	<1	<1
Barium	ppm	ASTM D5185(m)		0	0	0
Molybdenum	ppm	ASTM D5185(m)		0	0	0
Manganese	ppm	ASTM D5185(m)		<1	0	0
Magnesium	ppm	ASTM D5185(m)		<1	0	0
Calcium	ppm	ASTM D5185(m)		0	0	<1
Phosphorus	ppm	ASTM D5185(m)		12	3	3
Zinc	ppm	ASTM D5185(m)		4	2	2
Sulfur	ppm	ASTM D5185(m)		117	140	143
Lithium	ppm	ASTM D5185(m)		<1	<1	<1

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

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>10000	241731	81520	71038	
Particles >6µm	ASTM D7647	>2500	187678	13409	10401	
Particles >14µm	ASTM D7647	>160	18758	848	943	
Particles >21µm	ASTM D7647	>40	863	200	273	
Particles >38µm	ASTM D7647	>10	12	10	21	
Particles >71µm	ASTM D7647	>3	1	1	3	
Oil Cleanliness	ISO 4406 (c)	>20/18/14	25/25/21	24/21/17	23/21/17	



OIL ANALYSIS REPORT

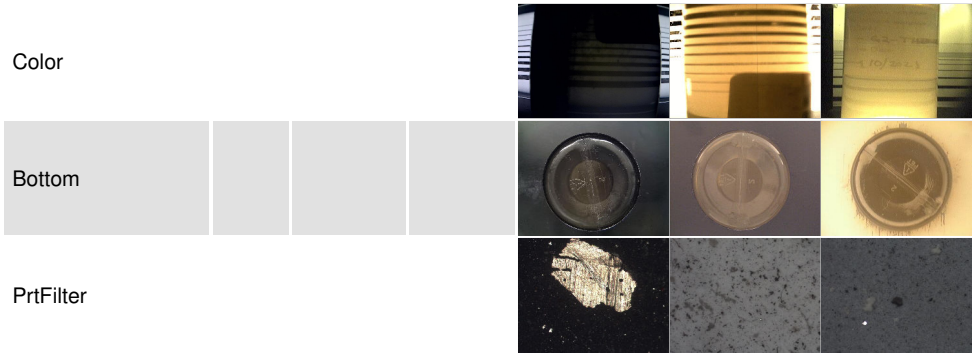


FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*		0.08	0.11	0.11

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	▲ LIGHT	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE	VLITE
Silt	scalar	Visual*	NONE	LIGHT	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>2	NEG	.2%	.2%
Free Water	scalar	Visual*		NEG	NEG	.2%

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	65.1	65.5	66.5	66.4

SAMPLE IMAGES		method	limit/base	current	history1	history2
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Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0445192 **Received** : 20 Oct 2022
Lab Number : **02517618** **Diagnosed** : 24 Oct 2022
Unique Number : 5474598 **Diagnostician** : Kevin Marson
Test Package : IND 2 (Additional Tests: BottomAnalysis, FilterPatch, PrtCount)

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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.