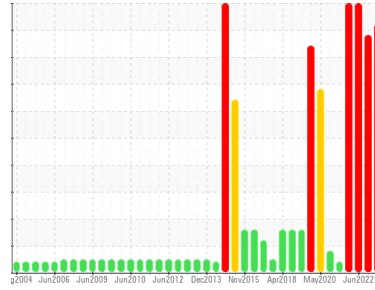




PROBLEM SUMMARY

Sample Rating Trend



ISO

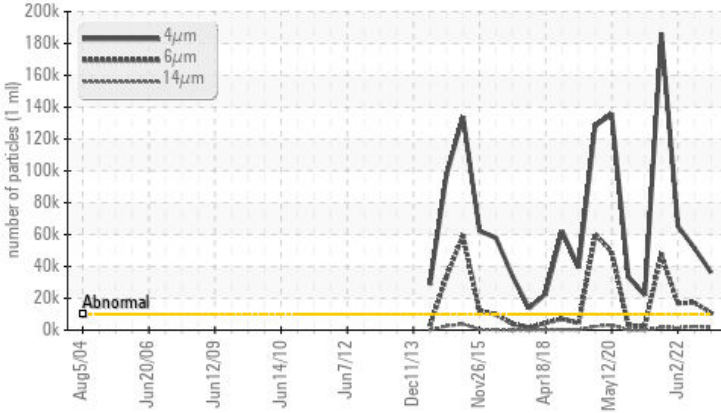


Area
[199029]
Machine Id
PBK G UGBR/THBR

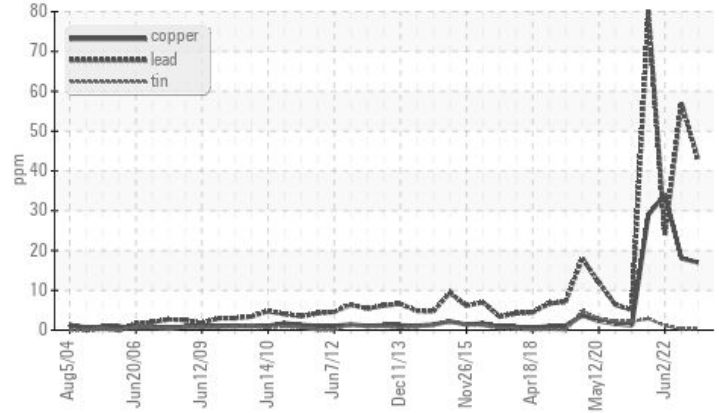
Component
Bearing
Fluid
MOBIL DTE OIL HVY MEDIUM (170 LTR)

COMPONENT CONDITION SUMMARY

Particle Trend



Non-ferrous Metals



RECOMMENDATION

Check seals and/or filters for points of contaminant entry. We advise that you check all areas where contaminants can enter the system. 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. We advise that you follow the water drain-off procedure for this component. We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. Resample in 30-45 days to monitor this situation.

PROBLEMATIC TEST RESULTS

Sample Status			SEVERE	SEVERE	SEVERE	
Copper	ppm	ASTM D5185(m)	>13	▲ 17	▲ 18	● 34
Particles >4µm		ASTM D7647	>10000	▲ 36212	▲ 51562	▲ 65261
Particles >6µm		ASTM D7647	>2500	▲ 10878	▲ 17265	▲ 16896
Particles >14µm		ASTM D7647	>160	● 1359	● 2237	● 1315
Particles >21µm		ASTM D7647	>40	● 461	● 678	● 335
Particles >38µm		ASTM D7647	>10	▲ 25	10	13
Oil Cleanliness		ISO 4406 (c)	>20/18/14	● 22/21/18	● 23/21/18	● 23/21/18
Appearance	scalar	Visual*	NORML	▲ WGOIL	▲ WGOIL	NORML
Free Water	scalar	Visual*		▲ 5%	▲ 5%	▲ 5%

Customer Id: NEWSTJ
Sample No.: WC0455716
Lab Number: 02563207
Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
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Kevin.Marson@wearcheck.com

To change component or sample information:
Gloria Gonzalez +1 (289)291-4643 x4643
gloria.gonzalez@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Change Filter	---	---	?	We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid.
Water Drain-off	---	---	?	We advise that you follow the water drain-off procedure for this component.
Resample	---	---	?	Resample in 30-45 days to monitor this situation.
Check Breathers	---	---	?	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	---	---	?	We advise that you check all areas where contaminants can enter the system.
Check Seals	---	---	?	Check seals and/or filters for points of contaminant entry.
Filter Fluid	---	---	?	We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid.

HISTORICAL DIAGNOSIS

ISO



15 Nov 2022 Diag: Kevin Marson

Check seals and/or filters for points of contaminant entry. We advise that you check all areas where contaminants can enter the system. 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. We advise that you follow the water drain-off procedure for this component. We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. Resample in 30-45 days to monitor this situation. Copper ppm levels are abnormal. Bearing wear is indicated. Particles >14µm are severely high. Particles >21µm are severely high. Oil Cleanliness are severely high. Oil Cleanliness are severely high.. Oil Cleanliness are severely high... Particles >4µm are abnormally high. Particles >6µm are abnormally high. Free water present. The AN level is acceptable for this fluid. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

view report



WEAR



02 Jun 2022 Diag: Kevin Marson

Check seals and/or filters for points of contaminant entry. We advise that you check all areas where contaminants can enter the system. 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. We advise that you use off-line filtration with water adsorbent filters to attempt to remove the water from this oil. We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. Resample in 30-45 days to monitor this situation. Copper ppm levels are severe. Bearing wear is indicated. Particles >14µm are severely high. Particles >21µm are severely high. Oil Cleanliness are severely high. Oil Cleanliness are severely high.. Particles >4µm are abnormally high. Particles >6µm are abnormally high. Free water present. The AN level is acceptable for this fluid. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

view report



WEAR

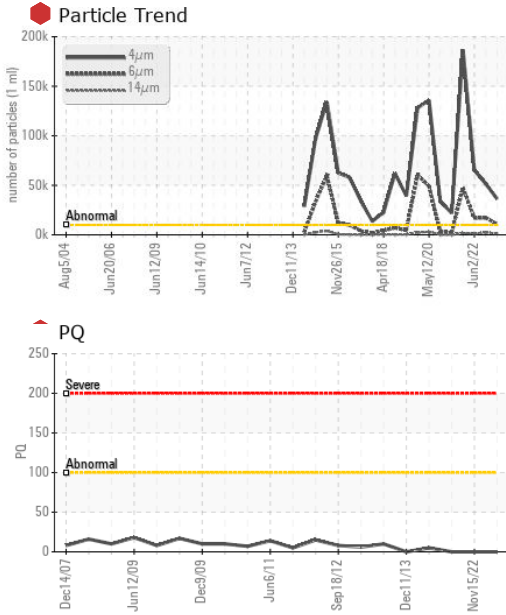


20 Oct 2021 Diag: Kevin Marson

Check seals and/or filters for points of contaminant entry. We advise that you check all areas where contaminants can enter the system. We advise that you follow the water drain-off procedure for this component, 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. We recommend that you change the oil. Resample in 30-45 days to monitor this situation. NOTE: Test values may be askew due high concentration of free water present in sample. Copper ppm levels are severe. Lead ppm levels are abnormal. A sharp increase in the copper level is noted. A sharp increase in the lead level is noted. Bearing wear is indicated. Particles >14µm are severely high. Particles >6µm are severely high. Particles >4µm are severely high. Particles >21µm are abnormally high. Free water present. The white residue present in the sample is oil additive precipitate. The AN level is acceptable for this fluid. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

view report



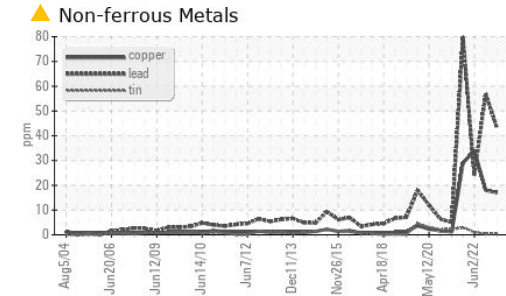
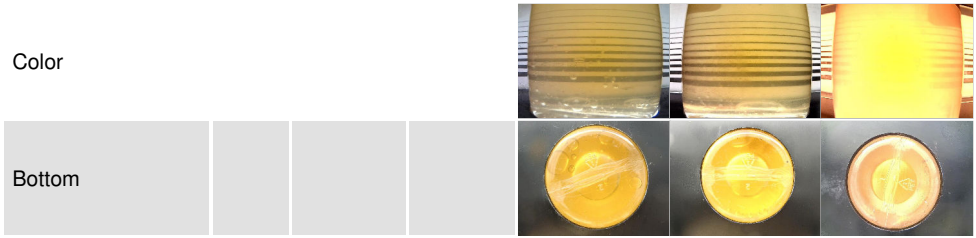


FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*		0.05	0.05	0.01

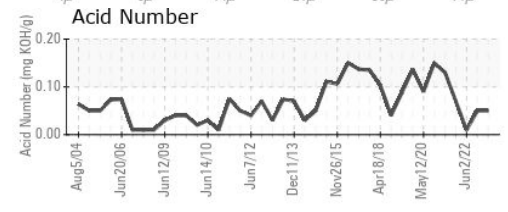
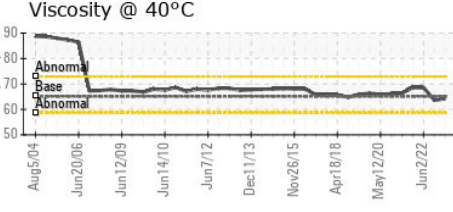
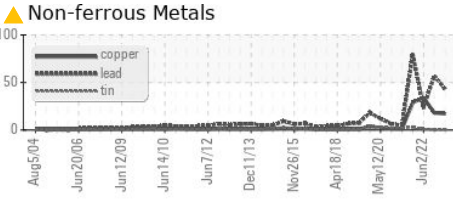
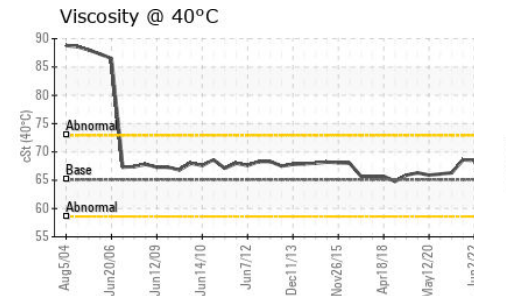
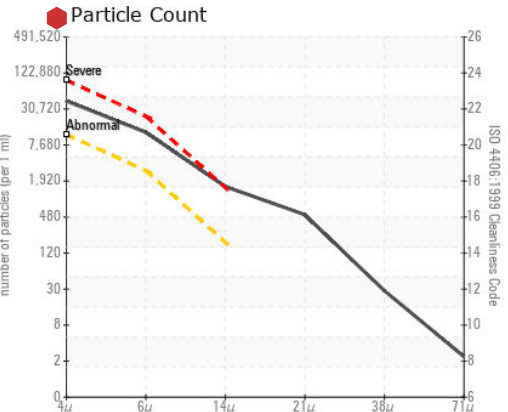
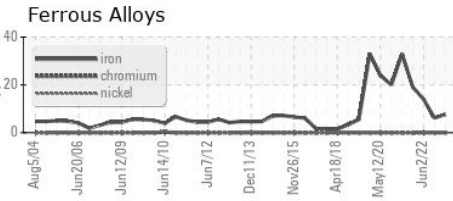
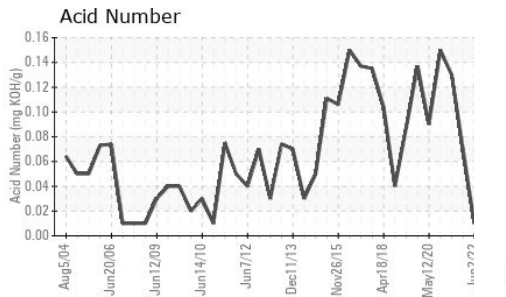
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	VLITE
Appearance	scalar	Visual*	NORML	WGOIL	WGOIL	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>2	.2%	1%	.5%
Free Water	scalar	Visual*		5%	5%	5%

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	65.1	64.2	63.6	68.5

SAMPLE IMAGES		method	limit/base	current	history1	history2
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GRAPHS



ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0455716
Lab Number : **02563207**
Unique Number : 5592248
Test Package : IND 2 (Additional Tests: PRTCOUNT, TAN Man)
Received : 09 Jun 2023
Diagnosed : 14 Jun 2023
Diagnostician : Kevin Marson
 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.

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