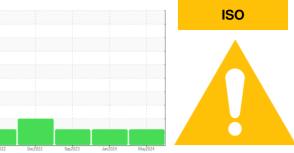


OIL ANALYSIS REPORT

SAMPLE INFORMATION method

Sample Rating Trend

limit/base



current

history1

history2

Area WALPOLE Machine to 945 - WALPOLE Component Rear Differential Fluid

{not provided} (--- GAL)

DIAGNOSIS

A 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 a high amount of silt (particulates < 14 microns in size) present in the oil.

Fluid Condition

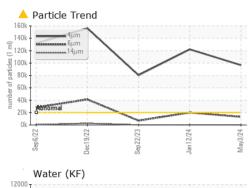
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

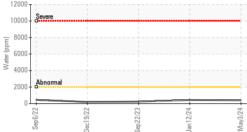
Sample Number Client Info WC09394502 WC0900921 WC0935881 Sample Date Client Info 03 May 2024 12 Jan 2024 22 Sep 2023 Machine Age mis Client Info 0 0 0 Oil Age mis Client Info N/A N/A N/A Sample Status Imit Client Info N/A N/A N/A N/A WEAR METALS method Imit/base current history1 history2 Iron ppm ASTM 05165m >500 185 179 149 Othromium ppm ASTM 05165m >50 0 0 0 Silver ppm ASTM 05165m >25 0 2 0 Copper ppm ASTM 05165m >100 <1 1 <1 Vandium ppm ASTM 05165m 0 <1 0 0 Copper ppm ASTM 05165m 10 <1 0 0 Copp	SAMPLE INFORM	VIATION	method	limit/base	current	history1	history2
Machine Age mis Client Info 190042 154596 117188 Oil Age mis Client Info N/A N/A N/A Sample Status I N ABNORMAL ABNORMAL ABNORMAL WEAR METALS method Imit/base current history! history! Iron ppm ASTM 05185m >500 185 179 149 Chromium ppm ASTM 05185m >10 <1 1 <1 Titanium ppm ASTM 05185m >10 <1 0 3 Copper ppm ASTM 05185m >25 5 3 3 Cadmium ppm ASTM 05185m >20 2 0 0 Adagese ppm ASTM 05185m >10 <1 1 <1 1 Cadmium ppm ASTM 05185m 0 <11 0 0 Magaese ppm ASTM 05185m 0 <11 0 <th>Sample Number</th> <th></th> <th>Client Info</th> <th></th> <th>WC0934502</th> <th>WC0900921</th> <th>WC0853881</th>	Sample Number		Client Info		WC0934502	WC0900921	WC0853881
Oil Age mis Client Info NA NA NA NA Sample Status Image Client Info NA ABNORMAL ABNORMAL ABNORMAL ABNORMAL WEAR METALS method limit/base current history2 history2 Iron ppm ASTM D5185m >500 185 179 149 Chromium ppm ASTM D5185m >10 <1 1 <1 Titanium ppm ASTM D5185m >10 <1 1 <1 Silver ppm ASTM D5185m >25 5 5 3 Lead ppm ASTM D5185m >10 <1 1 <1 <1 Vanadium ppm ASTM D5185m 10 <1 0 0 Adminum ppm ASTM D5185m 0 <1 0 0 Cadmium ppm ASTM D5185m 11 <1 0 0 Molybdenum	Sample Date		Client Info		03 May 2024	12 Jan 2024	22 Sep 2023
Oil Changed Sample Status Client Info N/A N/A ABNORMAL ABNORMAL ABNORMAL WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >500 185 179 149 Chromium ppm ASTM D5185m >10 3 3 3 Nickel ppm ASTM D5185m >10 1 1 <1 Silver ppm ASTM D5185m >25 0 2 0 Copper ppm ASTM D5185m >25 0 2 0 Cadmium ppm ASTM D5185m >10 <1 1 <1 Vanadium ppm ASTM D5185m 0 <1 0 <1 0 Cadmium ppm ASTM D5185m 68 63 58 Barum ppm ASTM D5185m 0 <1 0 Molybdenum ppm ASTM D5185m 11 <10	Machine Age	mls	Client Info		190042	154596	117188
Sample Status method Imit/base current history1 ABNORMAL ABNORMAL WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >500 185 179 149 Chromium ppm ASTM D5185m >10 3 3 3 Nickel ppm ASTM D5185m >10 <1 1 .0 Silver ppm ASTM D5185m >25 5 .3 10 Copper ppm ASTM D5185m >100 2 .0 .0 Copper ppm ASTM D5185m >100 2 .0 .0 Cadmium ppm ASTM D5185m 0 .1 .0 .0 Cadmium ppm ASTM D5185m 0 .1 .0 .0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 <th>Oil Age</th> <th>mls</th> <th>Client Info</th> <th></th> <th>0</th> <th>0</th> <th>0</th>	Oil Age	mls	Client Info		0	0	0
WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >500 185 179 149 Chromium ppm ASTM D5185m >10 <1 1 <1 Nickel ppm ASTM D5185m >10 <1 1 <1 Nickel ppm ASTM D5185m >10 <1 1 <1 Aluminum ppm ASTM D5185m >25 5 5 3 Lead ppm ASTM D5185m >100 2 3 1 Tin ppm ASTM D5185m >100 <1 1 <1 Vanadium ppm ASTM D5185m 0 <1 0 Addimium ppm ASTM D5185m 68 63 58 Barium ppm ASTM D5185m 0 <1 0 Manganese ppm ASTM D5185m 12 13 10 Maganese	Oil Changed		Client Info		N/A	N/A	N/A
Iron ppm ASTM D5185m >500 185 179 149 Chromium ppm ASTM D5185m >10 3 3 3 Nickel ppm ASTM D5185m >10 <1 1 <1 Titanium ppm ASTM D5185m 0 <10 0 0 Aluminum ppm ASTM D5185m >25 5 5 3 1 Tin ppm ASTM D5185m >25 0 2 0 0 Cadmium ppm ASTM D5185m >100 2 3 1 1 0 Addium ppm ASTM D5185m 0 <1 0 0 1 0 Addium ppm ASTM D5185m 0 <1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 1 <t< th=""><th>Sample Status</th><th></th><th></th><th></th><th>ABNORMAL</th><th>ABNORMAL</th><th>ABNORMAL</th></t<>	Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
Dromium ppm ASTM D5185m >10 3 3 3 Nickel ppm ASTM D5185m >10 <1 1 <1 Titanium ppm ASTM D5185m >20 <1 0 0 Silver ppm ASTM D5185m >25 5 5 3 Lead ppm ASTM D5185m >25 0 2 0 Copper ppm ASTM D5185m >10 <1 1 <1 Vanadium ppm ASTM D5185m >10 <1 1 <1 0 Cadmium ppm ASTM D5185m 0 <11 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 1 1 <1 0 Magnesium ppm ASTM D5185m 11 11 11 8 Phosphorus ppm ASTM D5185m 11 11	WEAR METALS		method	limit/base	current	history1	history2
Chromium ppm ASTM D5185m >10 3 3 3 Nickel ppm ASTM D5185m >10 <1 1 <1 Titanium ppm ASTM D5185m 0 0 0 0 Silver ppm ASTM D5185m 25 5 5 3 Lead ppm ASTM D5185m >25 0 2 0 Copper ppm ASTM D5185m >10 2 3 1 Tin ppm ASTM D5185m 10 <1 1 <1 0 Cadmium ppm ASTM D5185m 0 <11 0 0 Adamium pm ASTM D5185m 0 <11 0 0 Adamium pm ASTM D5185m 0 <11 0 0 Adamium pm ASTM D5185m 0 <12 13 10 Magnesium pm ASTM D5185m 0 <11 11 </th <th>Iron</th> <th>ppm</th> <th>ASTM D5185m</th> <th>>500</th> <th>185</th> <th>179</th> <th>149</th>	Iron	ppm	ASTM D5185m	>500	185	179	149
Nickel ppm ASTM D5185m >10 <1	Chromium		ASTM D5185m	>10	3	3	3
Titanium ppm ASTM D5185m 0 <1	Nickel	ppm	ASTM D5185m	>10	<1	1	<1
Atuminum ppm ASTM D5185m >25 5 5 3 Lead ppm ASTM D5185m >25 0 2 0 Copper ppm ASTM D5185m >100 2 3 1 Tin ppm ASTM D5185m >10 <1 1 <1 Vanadium ppm ASTM D5185m 0 <10 0 <10 Cadmium ppm ASTM D5185m 0 <11 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 <11 0 0 Magnesium ppm ASTM D5185m 12 13 10 1660 Zinc ppm ASTM D5185m 1768 1700 1660 17 7 Sulfur ppm ASTM D5185m 1788 1700 1660 17 7 Sulfur ppm ASTM D5185m	Titanium		ASTM D5185m		0	<1	0
Lead ppm ASTM D5185m >25 0 2 0 Copper ppm ASTM D5185m >100 2 3 1 Tin ppm ASTM D5185m >10 <1 1 <1 Vanadium ppm ASTM D5185m 0 <1 0 <1 0 Cadmium ppm ASTM D5185m 0 <1 0 <1 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 <1 0 Manganese ppm ASTM D5185m 11 <1 0 Magnesium ppm ASTM D5185m 201 199 194 Calcium ppm ASTM D5185m 201 199 14 Salicon ppm ASTM D5185m 201 199 14 Solium ppm ASTM D5185m 29925 23567 23588 CONTAMINANTS <th>Silver</th> <td>ppm</td> <td>ASTM D5185m</td> <td></td> <th>0</th> <td>0</td> <td>0</td>	Silver	ppm	ASTM D5185m		0	0	0
Lead ppm ASTM D5185m >25 0 2 0 Copper ppm ASTM D5185m >100 2 3 1 Tin ppm ASTM D5185m >10 <1 1 <1 Vanadium ppm ASTM D5185m >10 <1 1 <1 Vanadium ppm ASTM D5185m 0 <1 0 <1 0 Cadmium ppm ASTM D5185m 0 <1 0 <1 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 <1 0 0 Marganese ppm ASTM D5185m 0 11 11 11 8 Phosphorus ppm ASTM D5185m 201 199 14 Solicon ppm ASTM D5185m 75 43 42 41 Solicon ppm ASTM D5185m >20 <th>Aluminum</th> <td>ppm</td> <td>ASTM D5185m</td> <td>>25</td> <th>5</th> <td>5</td> <td>3</td>	Aluminum	ppm	ASTM D5185m	>25	5	5	3
Tin ppm ASTM D5185m >10 <1	Lead		ASTM D5185m	>25	0	2	0
Vanadium ppm ASTM D5185m 0 <1	Copper	ppm	ASTM D5185m	>100	2	3	1
Vanadium ppm ASTM D5185m 0 <1			ASTM D5185m	>10	<1	1	<1
ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 68 63 58 Barium ppm ASTM D5185m 0 <1 0 Molybdenum ppm ASTM D5185m 0 <1 0 Magnese ppm ASTM D5185m 12 13 10 Magnesium ppm ASTM D5185m 201 199 194 Calcium ppm ASTM D5185m 201 16 17 7 Sulfur ppm ASTM D5185m 29925 23567 23588 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >20	Vanadium	ppm	ASTM D5185m		0	<1	0
Boron ppm ASTM D5185m 68 63 58 Barium ppm ASTM D5185m 0 <1 0 Molybdenum ppm ASTM D5185m 0 <1 0 Manganese ppm ASTM D5185m 12 13 10 Magnesium ppm ASTM D5185m 201 199 194 Calcium ppm ASTM D5185m 201 199 194 Calcium ppm ASTM D5185m 11 11 11 8 Phosphorus ppm ASTM D5185m 1788 1700 1660 Zinc ppm ASTM D5185m 29925 23567 23588 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >20 2 4 0 Vater % ASTM D6304 >2 0.039 0.043 0.023 pm Water ppm ASTM D6304	Cadmium	ppm	ASTM D5185m		0	<1	0
Barium ppm ASTM D5185m 1 <1	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum ppm ASTM D5185m 0 <1	Boron	ppm	ASTM D5185m		68	63	58
Manganese ppm ASTM D5185m 12 13 10 Magnesium ppm ASTM D5185m 201 199 194 Calcium ppm ASTM D5185m 11 11 11 8 Phosphorus ppm ASTM D5185m 1788 1700 1660 Zinc ppm ASTM D5185m 16 17 7 Sulfur ppm ASTM D5185m 29925 23567 23588 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >75 43 42 41 Sodium ppm ASTM D5185m >20 2 4 0 Water % ASTM D5185m >20 2 4 0 Water % ASTM D6304 >2 0.039 0.043 0.023 ppm Water ppm ASTM D7647 >20000 \$96553 122171 \$80425 <	Barium	ppm	ASTM D5185m		1	<1	0
Magnesium ppm ASTM D5185m 201 199 194 Calcium ppm ASTM D5185m 11 11 1 8 Phosphorus ppm ASTM D5185m 1788 1700 1660 Zinc ppm ASTM D5185m 16 17 7 Sulfur ppm ASTM D5185m 29925 23567 23588 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >75 43 42 41 Sodium ppm ASTM D5185m >75 43 42 41 Sodium ppm ASTM D5185m >20 2 4 0 Water % ASTM D504 >2 0.039 0.043 0.023 ppm Water ppm ASTM D7647 >2000 \$96553 122171 ▲ 80425 Particles >4µm ASTM D7647 >5000 13059 2097 6997 Particles >4µm ASTM D7647 >640 122 185 100 </th <th>Molybdenum</th> <th>ppm</th> <th>ASTM D5185m</th> <th></th> <th>0</th> <th><1</th> <th>0</th>	Molybdenum	ppm	ASTM D5185m		0	<1	0
Calcium ppm ASTM D5185m 11 11 11 8 Phosphorus ppm ASTM D5185m 1788 1700 1660 Zinc ppm ASTM D5185m 16 17 7 Sulfur ppm ASTM D5185m 29925 23567 23588 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >75 43 42 41 Sodium ppm ASTM D5185m >75 43 42 41 Sodium ppm ASTM D5185m >20 2 4 0 Water % ASTM D5185m >20 2 4 0 0.023 ppm ASTM D5185m >20 2 0.039 0.043 0.023 ppm Water ppm ASTM D7647 >20000 \$96553 122171 \$80425 Particles >4µm ASTM D7647 >640 122 185	Manganese	ppm	ASTM D5185m		12		10
Phosphorus ppm ASTM D5185m 1788 1700 1660 Zinc ppm ASTM D5185m 16 17 7 Sulfur ppm ASTM D5185m 29925 23567 23588 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >75 43 42 41 Sodium ppm ASTM D5185m >75 43 42 41 Sodium ppm ASTM D5185m >75 43 42 41 Sodium ppm ASTM D5185m >20 2 4 0 Water % ASTM D5044 >2 0.039 0.043 0.023 ppm Water ppm ASTM D7647 >2000 399 431 232.8 FLUID CLEANLINESS method limit/base current history1 6997 Particles >4µm ASTM D7647 >20000 96553 122171 8042	Magnesium	ppm	ASTM D5185m		-		
Zinc ppm ASTM D5185m 16 17 7 Sulfur ppm ASTM D5185m 29925 23567 23588 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >75 43 42 41 Sodium ppm ASTM D5185m >75 43 42 41 Sodium ppm ASTM D5185m >75 43 42 41 Sodium ppm ASTM D5185m >20 2 4 0 Water % ASTM D6304 >2 0.039 0.043 0.023 ppm Water ppm ASTM D6304 >2000 399 431 232.8 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >20000 \$96553 122171 \$80425 Particles >14µm ASTM D7647 >640 122 185		ppm	ASTM D5185m			11	8
Sulfur ppm ASTM D5185m 29925 23567 23588 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >75 43 42 41 Sodium ppm ASTM D5185m >75 43 42 41 Sodium ppm ASTM D5185m >75 43 42 41 Sodium ppm ASTM D5185m >70 2 4 0 Water % ASTM D5185m >20 2 4 0 Water % ASTM D6304 >.2 0.039 0.043 0.023 ppm Water ppm ASTM D647 >2000 399 431 232.8 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >20000 96553 122171 80425 Particles >6µm ASTM D7647 >640 122							
CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >75 43 42 41 Sodium ppm ASTM D5185m >75 43 42 41 Sodium ppm ASTM D5185m >75 43 42 41 Sodium ppm ASTM D5185m >20 2 4 0 Water % ASTM D6304 >.2 0.039 0.043 0.023 ppm Water ppm ASTM D6304 >.2 0.039 431 232.8 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >20000 96553 122171 & 80425 Particles >6µm ASTM D7647 >5000 13059 20097 6997 Particles >14µm ASTM D7647 >640 122 185 100 Particles >21µm ASTM D7647 >10 2	-				-		
Silicon ppm ASTM D5185m >75 43 42 41 Sodium ppm ASTM D5185m 4 5 3 Potassium ppm ASTM D5185m >20 2 4 0 Water % ASTM D6304 >.2 0.039 0.043 0.023 ppm Water ppm ASTM D6304 >.2 0.039 431 232.8 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >20000 96553 122171 & 80425 Particles >6µm ASTM D7647 >600 122 185 100 Particles >14µm ASTM D7647 >640 122 185 100 Particles >14µm ASTM D7647 >640 122 185 100 Particles >38µm ASTM D7647 >40 2 2 2 Particles >71µm ASTM D7647 >10 2 0 0 0 Oil Cleanliness ISO 4406 (c) >21/19/16 24/21/14 24/22/15 <th></th> <th></th> <th></th> <th></th> <th>29925</th> <th></th> <th></th>					29925		
Sodium ppm ASTM D5185m 4 5 3 Potassium ppm ASTM D5185m >20 2 4 0 Water % ASTM D6304 >.2 0.039 0.043 0.023 ppm Water ppm ASTM D6304 >2000 399 431 232.8 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >20000 ▲ 96553 ▲ 122171 ▲ 80425 Particles >6µm ASTM D7647 >20000 ▲ 96553 ▲ 122171 ▲ 80425 Particles >6µm ASTM D7647 >5000 ▲ 13059 ▲ 20097 6997 Particles >14µm ASTM D7647 >640 122 185 100 Particles >21µm ASTM D7647 >160 16 49 24 Particles >38µm ASTM D7647 >10 2 0 0 Oil Cleanliness ISO 4406 (c) >21/19/16 24/21/14 24/22/15							
Potassium ppm ASTM D5185m >20 2 4 0 Water % ASTM D6304 >.2 0.039 0.043 0.023 ppm Water ppm ASTM D6304 >2000 399 431 232.8 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >20000 4 96553 122171 80425 Particles >6µm ASTM D7647 >5000 13059 20097 6997 Particles >14µm ASTM D7647 >640 122 185 100 Particles >21µm ASTM D7647 >40 2 2 2 Particles >38µm ASTM D7647 >10 2 0 0 Oil Cleanliness ISO 4406 (c) >21/19/16 24/21/14 24/22/15 24/20/14 FLUID DEGRADATION method limit/base current history1 history2				>75	-		
Water % ASTM D6304 >.2 0.039 0.043 0.023 ppm Water ppm ASTM D6304 >2000 399 431 232.8 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >2000 96553 122171 80425 Particles >6µm ASTM D7647 >5000 13059 20097 6997 Particles >14µm ASTM D7647 >640 122 185 100 Particles >21µm ASTM D7647 >160 16 49 24 Particles >38µm ASTM D7647 >10 2 0 0 Oil Cleanliness ISO 4406 (c) >21/19/16 24/22/14 24/22/15 24/20/14 FLUID DEGRADATION method limit/base current history1 history2							
ppm Water ppm ASTM D6304 >2000 399 431 232.8 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >20000 96553 122171 80425 Particles >6µm ASTM D7647 >5000 13059 20097 6997 Particles >14µm ASTM D7647 >640 122 185 100 Particles >21µm ASTM D7647 >640 122 185 100 Particles >38µm ASTM D7647 >160 16 49 24 Particles >38µm ASTM D7647 >10 2 0 0 Oil Cleanliness ISO 4406 (c) >21/19/16 24/21/14 24/22/15 24/20/14 FLUID DEGRADATION method Imit/base current history1 history2							
FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >20000 96553 122171 80425 Particles >6µm ASTM D7647 >5000 13059 20097 6997 Particles >14µm ASTM D7647 >640 122 185 100 Particles >21µm ASTM D7647 >160 16 49 24 Particles >38µm ASTM D7647 >40 2 2 2 Particles >71µm ASTM D7647 >10 2 0 0 Oil Cleanliness ISO 4406 (c) >21/19/16 24/22/14 24/22/15 24/20/14 FLUID DEGRADATION method limit/base current history1 history2							
Particles >4µm ASTM D7647 >20000 ▲ 96553 ▲ 122171 ▲ 80425 Particles >6µm ASTM D7647 >5000 ▲ 13059 ▲ 20097 ● 6997 Particles >14µm ASTM D7647 >640 122 185 100 Particles >21µm ASTM D7647 >160 16 49 24 Particles >38µm ASTM D7647 >40 2 2 2 Particles >38µm ASTM D7647 >10 2 0 0 Oil Cleanliness ISO 4406 (c) >21/19/16 24/22/14 24/22/15 24/20/14 FLUID DEGRADATION method limit/base current history1 history2							
Particles >6µm ASTM D7647 >5000 ▲ 13059 ▲ 20097 6997 Particles >14µm ASTM D7647 >640 122 185 100 Particles >21µm ASTM D7647 >160 16 49 24 Particles >38µm ASTM D7647 >40 2 2 2 Particles >38µm ASTM D7647 >10 2 0 0 Oil Cleanliness ISO 4406 (c) >21/19/16 24/22/14 24/22/15 24/20/14 FLUID DEGRADATION method limit/base current history1 history2		NESS					
Particles >14μm ASTM D7647 >640 122 185 100 Particles >21μm ASTM D7647 >160 16 49 24 Particles >38μm ASTM D7647 >40 2 2 2 Particles >38μm ASTM D7647 >40 2 2 2 Particles >71μm ASTM D7647 >10 2 0 0 Oil Cleanliness ISO 4406 (c) >21/19/16 24/22/14 ≥4/22/15 ≥4/20/14 FLUID DEGRADATION method limit/base current history1 history2	•						
Particles >21μm ASTM D7647 >160 16 49 24 Particles >38μm ASTM D7647 >40 2 2 2 Particles >37μm ASTM D7647 >10 2 0 0 Oil Cleanliness ISO 4406 (c) >21/19/16 24/22/14 24/22/15 24/20/14 FLUID DEGRADATION method limit/base current history1 history2							
Particles >38μm ASTM D7647 >40 2 2 2 Particles >71μm ASTM D7647 >10 2 0 0 Oil Cleanliness ISO 4406 (c) >21/19/16 24/21/14 24/22/15 24/20/14 FLUID DEGRADATION method limit/base current history1 history2	•						
Particles >71μm ASTM D7647 >10 2 0 0 Oil Cleanliness ISO 4406 (c) >21/19/16 24/21/14 24/22/15 24/20/14 FLUID DEGRADATION method limit/base current history1 history2							
Oil Cleanliness ISO 4406 (c) >21/19/16 24/21/14 24/22/15 24/20/14 FLUID DEGRADATION method limit/base current history1 history2	•						
FLUID DEGRADATION method limit/base current history1 history2							
			()				
Acid Number (AN) mg KOH/g ASTM D8045 0.40 0.46 0.58				limit/base			
	Acid Number (AN)	mg KOH/g	ASTM D8045		0.40	0.46	0.58

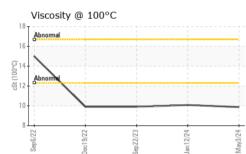
Contact/Location: GIANNA CREDAROLI - BASTARHD

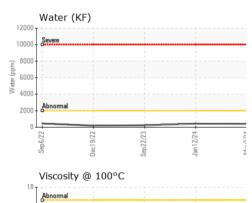


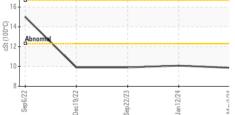
OIL ANALYSIS REPORT







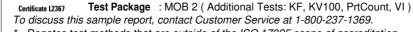




VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	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 PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		54.0	54.0	54.2
Visc @ 100°C	cSt	ASTM D445		9.87	10.08	9.9
Viscosity Index (VI)	Scale	ASTM D2270		171	176	171
SAMPLE IMAGES	6	method	limit/base	current	history1	history2



GRAPHS Ferrous Alloys Particle Count 491.52 300 200 122.88 icke 100 30,72 20 8 7 68 May3/24 Sep6/22 Dec19/22 Jan 12/24 ep22/23 4406: (per 1 1,920 18 :1999 Cle particles 480 16 Non-ferrous Metals 60 120 14 41 12 8 31 Aav3/24 sp22/23 Dec19/22 64 140 214 384 Viscosity @ 40°C Acid Number (B/H0.60 200 cSt (40°C) Ê 0.40 a e 0.20 - B 0.00 0 May3/24 -Sep6/22 Sep6/22 May3/24 Dec19/22 Dec19/22 Sen22/23 Jan 12/24 Sep22/23 Jan 12/24 : WearCheck USA - 501 Madison Ave., Cary, NC 27513 **BASF - GIANNA CREDAROLI** : WC0934502 500 WHITE PLAINS RD Sample No. Received : 14 May 2024 Lab Number : 06179411 Tested : 20 May 2024 TARRYTOWN, NY Unique Number : 11030737 Diagnosed : 21 May 2024 - Jonathan Hester US 10591 Contact: GIANNA CREDAROLI



Laboratory

Color

Bottom

* - 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)

Report Id: bastarhd [WUSCAR] 06179411 (Generated: 05/21/2024 08:42:22) Rev: 1

Contact/Location: GIANNA CREDAROLI - BASTARHD

T:

F:

gianna.credaroli@basf.com