

WALPOLE

OIL ANALYSIS REPORT

Sample Rating Trend



944 - WALPOLE Component **Rear Differential** Fluic

{not provided} (--- GAL)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. We were unable to perform a particle count due to a high concentration of particles present in this sample.

Wear

All component wear rates are normal.

Contamination

Moderate concentration of visible dirt/debris present in the oil.

Fluid Condition

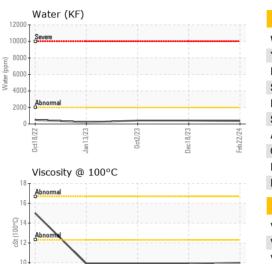
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

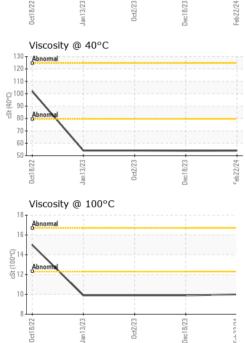
Sample Date Client Info 22 Feb 2024 18 Dec 2023 02 Oct 2023 Machine Age mis Client Info 155858 137668 117268 Oil Age mis Client Info N/A N/A N/A N/A Sample Status mis Client Info N/A N/A N/A N/A WEAR METALS method limit/base current history1 history1 Iron ppm ASTM D5155m >500 160 141 143 Okcel ppm ASTM D5155m >10 Q 1 <1	SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Machine Age mis Client Info 155858 137668 117268 Oil Age mis Client Info N/A N/A N/A Sample Status Client Info N/A N/A ABNORMAL ABNORMAL ABNORMAL WEAR METALS method limi/base current history1 history2 Iron ppm ASTM D5165m >10 2 3 3 Nickel ppm ASTM D5165m >10 0 1 -1 Sliver ppm ASTM D5165m >25 7 7 5 Lead ppm ASTM D5165m >20 2 -1 Copper ppm ASTM D5165m >20 2 -1 Cadmium ppm ASTM D5165m >10 <1 1 -1 ADDTIVES method limi/base current history1 history2 Barium ppm ASTM D5165m 0 <1 -1 -1 <t< th=""><th>Sample Number</th><th></th><th>Client Info</th><th></th><th>WC0900857</th><th>WC0900925</th><th>WC0876080</th></t<>	Sample Number		Client Info		WC0900857	WC0900925	WC0876080
Oil Age mis Client Info N/A N/A N/A N/A Sample Status Image Client Info N/A ABNORMAL ABNORMAL ABNORMAL WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >500 160 141 143 Chromium ppm ASTM D5185m >10 0 1 <1 Silver ppm ASTM D5185m >10 0 0 0 Silver ppm ASTM D5185m >25 7 7 5 Lead ppm ASTM D5185m >25 0 <1 <1 Copper ppm ASTM D5185m >10 <1 1 <1 Vanadium ppm ASTM D5185m 10 <1 1 <1 Vanadium ppm ASTM D5185m 0 <1 <1 <1 Vanadium ppm ASTM D5185m 0 <1 <1 <1 Vanadium ppm ASTM D5185m	Sample Date		Client Info		22 Feb 2024	18 Dec 2023	02 Oct 2023
Oil Changed Client Info N/A N/A N/A N/A N/A Sample Status Image of the status Image of the status ABNORMAL ABNORMAL ABNORMAL ABNORMAL ABNORMAL ABNORMAL WEAR METALS method Imil/base current history1 history2 Iron ppm ASTM D5185m >500 160 141 143 Ohromium ppm ASTM D5185m >10 0 1 -1 Titanium ppm ASTM D5185m >25 7 7 5 Lead ppm ASTM D5185m >25 0 2 <1 Cadmium ppm ASTM D5185m >10 4 4 2 Cadmium ppm ASTM D5185m >10 <1 <1 <1 ADDITIVES method Imil/base current history1 history2 Baron ppm ASTM D5185m <0 <1 <1 ADDITIVES	Machine Age	mls	Client Info		155858	137668	117268
Sample Status method imit/base current history1 history2 Iron ppm ASTM D5185m >500 160 141 143 Chromium ppm ASTM D5185m >10 2 3 3 Nickel ppm ASTM D5185m >10 0 1 <1 Titanium ppm ASTM D5185m >10 0 0 0 Aluminum ppm ASTM D5185m >25 7 7 5 Lead ppm ASTM D5185m >25 0 2 <1 Copper ppm ASTM D5185m >100 4 4 2 Tin ppm ASTM D5185m 100 <1 <1 <1 Vanadium ppm ASTM D5185m 0 <1 <1 <1 ADDITIVES method imit/base current history1 history2 Barum ppm ASTM D5185m 0 <1 <1 </th <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 ourrent history1 history2 Iron ppm ASTM D5185m >500 160 141 143 Chromium ppm ASTM D5185m >10 2 3 3 Nickel ppm ASTM D5185m >10 0 1 <1 Sliver ppm ASTM D5185m >25 7 7 5 Lead ppm ASTM D5185m >25 7 7 5 Lead ppm ASTM D5185m >100 4 4 2 Tin ppm ASTM D5185m >100 <1 1 <1 Vanadium ppm ASTM D5185m 0 <1 <1 <1 ASTM D5185m D50 60 65 67 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 1 1<	Oil Changed		Client Info		N/A	N/A	N/A
Iron ppm ASTM D5185m >500 160 141 143 Chromium ppm ASTM D5185m >10 0 1 <1 Nickel ppm ASTM D5185m >10 0 1 <1 Silver ppm ASTM D5185m >25 7 7 5 Lead ppm ASTM D5185m >25 0 2 <1 Copper ppm ASTM D5185m >25 0 2 <1 Copper ppm ASTM D5185m >100 4 4 2 <1 Vanadium ppm ASTM D5185m >100 <1 1 <1 Vanadium ppm ASTM D5185m 0 <1 <1 <1 Manganese ppm ASTM D5185m 0 <1 <1 <1 Maganese ppm ASTM D5185m 9 100 8 Maganese ppm ASTM D5185m 9 12 6	Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
Ppm ASTM D5185m >10 2 3 3 Nickel ppm ASTM D5185m >10 0 1 <1 Silver ppm ASTM D5185m <0 0 0 0 Aluminum ppm ASTM D5185m >25 7 7 5 Lead ppm ASTM D5185m >25 0 2 <1 Copper ppm ASTM D5185m >10 4 4 2 Vanadium ppm ASTM D5185m >10 <1 1 <1 Vanadium ppm ASTM D5185m 0 <1 <1 <1 ADDITIVES method limi/base current history1 history2 Boron ppm ASTM D5185m 0 <1 <1 <1 Magnaese ppm ASTM D5185m 196 201 28162 23301 28537 Calcium ppm ASTM D5185m 1764 1694	WEAR METALS		method	limit/base	current	history1	history2
Nickel ppm ASTM D5185m >10 0 1 <1	Iron	ppm	ASTM D5185m	>500	160	141	143
Titanium ppm ASTM D5185m <1 <1 <1 <1 Silver ppm ASTM D5185m 0 0 0 Aluminum ppm ASTM D5185m >25 7 7 5 Lead ppm ASTM D5185m >25 0 2 <1 Copper ppm ASTM D5185m >100 4 4 2 Tin ppm ASTM D5185m 100 <1 1 <1 Vanadium ppm ASTM D5185m 0 <1 <1 <1 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 <1 <1 <1 Maganese ppm ASTM D5185m 9 10 8 Maganeses ppm ASTM D5185m 195 196 201 Calcium ppm ASTM D5185m 195 196 201 Calcium ppm ASTM D5185m 195 196 201 Sulfur ppm <th>Chromium</th> <th>ppm</th> <th>ASTM D5185m</th> <th>>10</th> <th>2</th> <th>3</th> <th>3</th>	Chromium	ppm	ASTM D5185m	>10	2	3	3
Silver ppm ASTM D5185m 0 0 0 0 Aluminum ppm ASTM D5185m >25 7 7 5 Lead ppm ASTM D5185m >25 0 2 <1 Copper ppm ASTM D5185m >100 4 4 2 Tin ppm ASTM D5185m 10 <1 1 <1 Vanadium ppm ASTM D5185m 0 <1 <1 <1 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 <1 <1 <1 Magnesium ppm ASTM D5185m 0 <1 <1 <1 Magnesium ppm ASTM D5185m 195 196 201 <6 Sulfur ppm ASTM D5185m 1764 1694 1773 25 Sulfur ppm ASTM D5185m 20 0 4 </th <th>Nickel</th> <th>ppm</th> <th>ASTM D5185m</th> <th>>10</th> <th>0</th> <th>1</th> <th><1</th>	Nickel	ppm	ASTM D5185m	>10	0	1	<1
Aluminum ppm ASTM D5185m >25 7 7 5 Lead ppm ASTM D5185m >25 0 2 <1 Copper ppm ASTM D5185m >100 4 4 2 Tin ppm ASTM D5185m >100 <1 1 <1 Vanadium ppm ASTM D5185m 0 <1 <1 0 Cadmium ppm ASTM D5185m 0 <1 <1 <1 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 60 65 67 Barium ppm ASTM D5185m <11 <1 <1 Magaese ppm ASTM D5185m 9 10 8 Magnesium ppm ASTM D5185m 1764 1694 1773 Zinc ppm ASTM D5185m >75 43 43 44 Sodium <td< th=""><th>Titanium</th><th>ppm</th><th>ASTM D5185m</th><th></th><th><1</th><th><1</th><th><1</th></td<>	Titanium	ppm	ASTM D5185m		<1	<1	<1
Lead ppm ASTM D5185m<>25 0 2 <1	Silver	ppm	ASTM D5185m		0	0	0
Copper ppm ASTM D5185m >100 4 4 2 Tin ppm ASTM D5185m >10 <1 1 <1 Vanadium ppm ASTM D5185m >10 <1 1 <1 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 60 65 67 Barium ppm ASTM D5185m 0 <1 8 Molybdenum ppm ASTM D5185m 11 <1 <1 Magnesee ppm ASTM D5185m 195 196 201 Calcium ppm ASTM D5185m 1764 1694 1773 Zinc ppm ASTM D5185m 1764 1694 1773 Zinc ppm ASTM D5185m >28182 23301 28537 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185	Aluminum	ppm	ASTM D5185m	>25	7	7	5
Copper ppm ASTM D5185m >100 4 4 2 Tin ppm ASTM D5185m >10 <1 1 <1 Vanadium ppm ASTM D5185m 0 <1 0 Cadmium ppm ASTM D5185m 0 <1 <1 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 60 65 67 Barium ppm ASTM D5185m 0 <1 8 Molybdenum ppm ASTM D5185m 195 196 201 Calcium ppm ASTM D5185m 195 196 201 Calcium ppm ASTM D5185m 195 196 201 Calcium ppm ASTM D5185m 195 12 6 Sulfur ppm ASTM D5185m 28182 23301 28537 CONTAMINANTS method limit/base current <td< th=""><th>Lead</th><th></th><th>ASTM D5185m</th><th>>25</th><th>0</th><th>2</th><th><1</th></td<>	Lead		ASTM D5185m	>25	0	2	<1
Tin ppm ASTM D5185m >10 <1	Copper		ASTM D5185m	>100	4	4	2
Vanadium ppm ASTM D5185m 0 <1	Tin		ASTM D5185m	>10	<1	1	<1
Cadmium ppm ASTM D5185m 0 <1	Vanadium		ASTM D5185m		0	<1	0
Boron ppm ASTM D5185m 60 65 67 Barium ppm ASTM D5185m 0 <1 8 Molybdenum ppm ASTM D5185m <1 <1 <1 Manganese ppm ASTM D5185m <1 <1 <1 Magnesium ppm ASTM D5185m 195 196 201 Calcium ppm ASTM D5185m 9 12 6 Sulfur ppm ASTM D5185m 9 12 6 Sulfur ppm ASTM D5185m 23101 28537 CONTAMINANTS method limit/base current history1 history2 Sodium ppm ASTM D5185m >75 43 43 44	Cadmium		ASTM D5185m		0	<1	<1
Barium ppm ASTM D5185m 0 <1	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum ppm ASTM D5185m <1	Boron	ppm	ASTM D5185m		60	65	67
Manganese ppm ASTM D5185m 9 10 8 Magnesium ppm ASTM D5185m 195 196 201 Calcium ppm ASTM D5185m 195 196 201 Calcium ppm ASTM D5185m 1764 1694 1773 Zinc ppm ASTM D5185m 9 12 6 Sulfur ppm ASTM D5185m 9 12 6 Sulfur ppm ASTM D5185m 28182 23301 28537 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >75 43 43 44 Sodium ppm ASTM D5185m >20 0 4 1 Water % ASTM D6304 >.2 0.036 0.041 0.042 ppm Water ppm ASTM D7647 >20000 ▲ 96811< ▲ 93725 Particles >4µm ASTM D7647 >5000	Barium	ppm	ASTM D5185m		0	<1	8
Magnesium ppm ASTM D5185m 195 196 201 Calcium ppm ASTM D5185m 8 11 8 Phosphorus ppm ASTM D5185m 1764 1694 1773 Zinc ppm ASTM D5185m 9 12 6 Sulfur ppm ASTM D5185m 9 12 6 Sulfur ppm ASTM D5185m 9 12 6 Sulfur ppm ASTM D5185m 9 12 6 Solicon ppm ASTM D5185m 28182 23301 28537 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >20 0 4 1 Vater % ASTM D6304 >.2 0.036 0.041 0.042 ppm Water ppm ASTM D7647 >20000 ▲ 96811 93725 Particles >4µm ASTM D7647 >5000<	Molybdenum	ppm	ASTM D5185m		<1	<1	<1
Calcium ppm ASTM D5185m 8 11 8 Phosphorus ppm ASTM D5185m 1764 1694 1773 Zinc ppm ASTM D5185m 9 12 6 Sulfur ppm ASTM D5185m 9 12 6 Sulfur ppm ASTM D5185m 28182 23301 28537 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >75 43 43 44 Sodium ppm ASTM D5185m >75 43 43 44 Sodium ppm ASTM D5185m >75 43 43 44 Sodium ppm ASTM D5185m >20 0 4 6 0 Water % ASTM D5185m >20 0.036 0.041 0.042 ppm Water ppm ASTM D6304 >2000 4 93725 Particles >4µm ASTM D7647 >20000 4 91149 93725<	Manganese	ppm	ASTM D5185m		9	10	8
Phosphorus ppm ASTM D5185m 1764 1694 1773 Zinc ppm ASTM D5185m 9 12 6 Sulfur ppm ASTM D5185m 28182 23301 28537 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >75 43 43 44 Sodium ppm ASTM D5185m >75 43 43 44 Sodium ppm ASTM D5185m >75 43 43 44 Sodium ppm ASTM D5185m >20 0 4 1 Water % ASTM D5044 >.2 0.036 0.041 0.042 ppm Water ppm ASTM D7647 >2000 ▲ 96811 ▲ 93725 Particles >4µm ASTM D7647 >2000 ▲ 11149 ● 9718 Particles >5µm ASTM D7647 >640 ▲ 11149 ● 971	Magnesium	ppm	ASTM D5185m		195	196	201
Zinc ppm ASTM D5185m 9 12 6 Sulfur ppm ASTM D5185m 28182 23301 28537 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >75 43 43 44 Sodium ppm ASTM D5185m >75 43 43 44 Sodium ppm ASTM D5185m >75 43 43 44 Sodium ppm ASTM D5185m >20 0 4 1 Water % ASTM D6304 >2 0.036 0.041 0.042 ppm Water ppm ASTM D6304 >2000 370 416 421 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >20000 4 93725 Particles >51µm ASTM D7647 >640 4 11149<	Calcium	ppm	ASTM D5185m		8	11	8
SulfurppmASTM D5185m281822330128537CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>75434344SodiumppmASTM D5185m>20041PotassiumppmASTM D5185m>20041Water%ASTM D6304>.20.0360.0410.042ppm WaterppmASTM D6304>2000370416421FLUID CLEANLINESSmethodlimit/basecurrenthistory1history2Particles >4µmASTM D7647>20000493725Particles >6µmASTM D7647>50004911Particles >14µmASTM D7647>640273211Particles >21µmASTM D7647>16042Particles >38µmASTM D7647>1042Particles >71µmASTM D7647>10424/20/15ICleanlinessISO 4406 (c)>21/19/16424/20/15FLUID DEGRADATIONmethodlimit/basecurrenthistory1history2	Phosphorus	ppm	ASTM D5185m		1764	1694	1773
CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m<>75434344SodiumppmASTM D5185m20040PotassiumppmASTM D5185m>20041Water%ASTM D6304>.20.0360.0410.042ppm WaterppmASTM D6304>2000370416421FLUID CLEANLINESSmethodlimit/basecurrenthistory1history2Particles >4µmASTM D7647>20000▲ 96811● 93725Particles >6µmASTM D7647>5000▲ 11149● 9718Particles >14µmASTM D7647>640273211Particles >21µmASTM D7647>16042Particles >38µmASTM D7647>1042Particles >71µmASTM D7647>10424/20/15FLUID DEGRADATIONmethodlimit/basecurrenthistory1history2	Zinc	ppm	ASTM D5185m		9	12	6
Silicon ppm ASTM D5185m >75 43 43 44 Sodium ppm ASTM D5185m >75 43 43 6 0 Potassium ppm ASTM D5185m >20 0 4 6 0 Potassium ppm ASTM D5185m >20 0 4 1 Water % ASTM D6304 >.2 0.036 0.041 0.042 ppm Water ppm ASTM D6304 >.2 0.036 0.041 0.042 Particles >4µm ASTM D7647 >20000 Å 96811 4 93725 Particles >6µm ASTM D7647 >20000 ▲ 96811 ▲ 93725 Particles >6µm ASTM D7647 >640 273 211 Particles >1µm ASTM D7647 >640 273 211 Particles >38µm ASTM D7647 >40 4 2 Particles >71µm ASTM D7647 >10 4 24/21/15 24/20/15 OI Cleanliness ISO 4406 (c)<	Sulfur	ppm	ASTM D5185m		28182	23301	28537
Sodium ppm ASTM D5185m 4 6 0 Potassium ppm ASTM D5185m >20 0 4 1 Water % ASTM D6304 >.2 0.036 0.041 0.042 ppm Water ppm ASTM D6304 >.2 0.036 0.041 0.042 ppm Water ppm ASTM D6304 >2000 370 416 421 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >20000 ▲ 96811 93725 Particles >6µm ASTM D7647 >5000 ▲ 11149 9718 Particles >14µm ASTM D7647 >640 273 211 Particles >21µm ASTM D7647 >160 61 51 Particles >38µm ASTM D7647 >10 4 2 Particles >71µm ASTM D7647 >10 4 24/20/15	CONTAMINANTS		method	limit/base	current	history1	history2
Potassium ppm ASTM D5185m >20 0 4 1 Water % ASTM D6304 >.2 0.036 0.041 0.042 ppm Water ppm ASTM D6304 >.2000 370 416 421 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >20000 ▲ 96811 ▲ 93725 Particles >6µm ASTM D7647 >5000 ▲ 11149 ● 9718 Particles >14µm ASTM D7647 >640 €61 51 Particles >14µm ASTM D7647 >160 €11 ● 9718 Particles >21µm ASTM D7647 >640 €1 51 Particles >38µm ASTM D7647 >100 €1 2 Particles >71µm ASTM D7647 >10 €2 24/21/15 £24/20/15 FLUID DEGRADATION method limit/base current	Silicon	ppm	ASTM D5185m	>75	43	43	44
Water % ASTM D6304 >.2 0.036 0.041 0.042 ppm Water ppm ASTM D6304 >.2000 370 416 421 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >20000 ▲ 96811 ▲ 93725 Particles >6µm ASTM D7647 >5000 ▲ 11149 9718 Particles >6µm ASTM D7647 >640 273 211 Particles >1µm ASTM D7647 >160 61 51 Particles >21µm ASTM D7647 >40 4 2 Particles >38µm ASTM D7647 >10 0 0 Oil Cleanliness ISO 4406 (c) >21/19/16 24/21/15 24/20/15 FLUID DEGRADATION method limit/base current history1 history2	Sodium	ppm	ASTM D5185m		4	6	0
ppm Water ppm ASTM D6304 >2000 370 416 421 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >20000 ▲ 96811 ▲ 93725 Particles >6µm ASTM D7647 >5000 ▲ 11149 9718 Particles >14µm ASTM D7647 >640 273 211 Particles >14µm ASTM D7647 >160 611 51 Particles >21µm ASTM D7647 >40 4 2 Particles >38µm ASTM D7647 >10 4 2 Particles >71µm ASTM D7647 >10 4 24/20/15 24/20/15 Oil Cleanliness ISO 4406 (c) >21/19/16 4 24/20/15 24/20/15 FLUID DEGRADATION method limit/base current history1 history2	Potassium	ppm	ASTM D5185m	>20	0	4	1
FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >20000 ▲ 96811 ▲ 93725 Particles >6µm ASTM D7647 >5000 ▲ 11149 9718 Particles >14µm ASTM D7647 >640 273 211 Particles >21µm ASTM D7647 >160 61 51 Particles >38µm ASTM D7647 >40 4 2 Particles >71µm ASTM D7647 >10 0 0 Oil Cleanliness ISO 4406 (c) >21/19/16 4 24/21/15 24/20/15 FLUID DEGRADATION method limit/base current history1 history2	Water	%	ASTM D6304	>.2	0.036	0.041	0.042
Particles >4μm ASTM D7647 >20000 ▲ 96811 ▲ 93725 Particles >6μm ASTM D7647 >5000 ▲ 11149 ● 9718 Particles >14μm ASTM D7647 >640 273 211 Particles >21μm ASTM D7647 >160 61 51 Particles >21μm ASTM D7647 >40 4 2 Particles >38μm ASTM D7647 >10 0 0 Oil Cleanliness ISO 4406 (c) >21/19/16 4 24/21/15 24/20/15 FLUID DEGRADATION method limit/base current history1 history2	ppm Water	ppm	ASTM D6304	>2000	370	416	421
Particles >6µm ASTM D7647 >5000 ▲ 11149 9718 Particles >14µm ASTM D7647 >640 273 211 Particles >21µm ASTM D7647 >160 61 51 Particles >21µm ASTM D7647 >160 61 51 Particles >38µm ASTM D7647 >40 4 2 Particles >71µm ASTM D7647 >10 0 0 Oil Cleanliness ISO 4406 (c) >21/19/16 ▲ 24/21/15 ▲ 24/20/15 FLUID DEGRADATION method limit/base current history1 history2	FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >14µm ASTM D7647 >640 273 211 Particles >21µm ASTM D7647 >160 61 51 Particles >38µm ASTM D7647 >40 4 2 Particles >38µm ASTM D7647 >10 0 0 Oil Cleanliness ISO 4406 (c) >21/19/16 4 24/20/15 FLUID DEGRADATION method limit/base current history1 history2	Particles >4µm		ASTM D7647	>20000		A 96811	A 93725
Particles >21μm ASTM D7647 >160 61 51 Particles >38μm ASTM D7647 >40 4 2 Particles >71μm ASTM D7647 >10 0 0 Oil Cleanliness ISO 4406 (c) >21/19/16 4 24/20/15 FLUID DEGRADATION method limit/base current history1 history2	Particles >6µm		ASTM D7647	>5000		1 1149	9718
Particles >38μm ASTM D7647 >40 4 2 Particles >71μm ASTM D7647 >10 0 0 Oil Cleanliness ISO 4406 (c) >21/19/16 24/21/15 24/20/15 FLUID DEGRADATION method limit/base current history1 history2	Particles >14µm		ASTM D7647	>640		273	211
Particles >71μm ASTM D7647 >10 0 0 Oil Cleanliness ISO 4406 (c) >21/19/16 ▲ 24/21/15 ▲ 24/20/15 FLUID DEGRADATION method limit/base current history1 history2	Particles >21µm		ASTM D7647	>160		61	51
Oil CleanlinessISO 4406 (c) >21/19/16A 24/21/15A 24/20/15FLUID DEGRADATIONmethodlimit/basecurrenthistory1history2	Particles >38µm		ASTM D7647	>40		4	2
FLUID DEGRADATION method limit/base current history1 history2	Particles >71µm		ASTM D7647	>10		0	0
	Oil Cleanliness		ISO 4406 (c)	>21/19/16		▲ 24/21/15	4 /20/15
Acid Number (AN) mg KOH/g ASTM D8045 0.59 0.44 0.55	FLUID DEGRADA	TION	method	limit/base	current	history1	history2
	Acid Number (AN)	mg KOH/g	ASTM D8045		0.59	0.44	0.55

Contact/Location: GIANNA CREDAROLI - BASTARHD



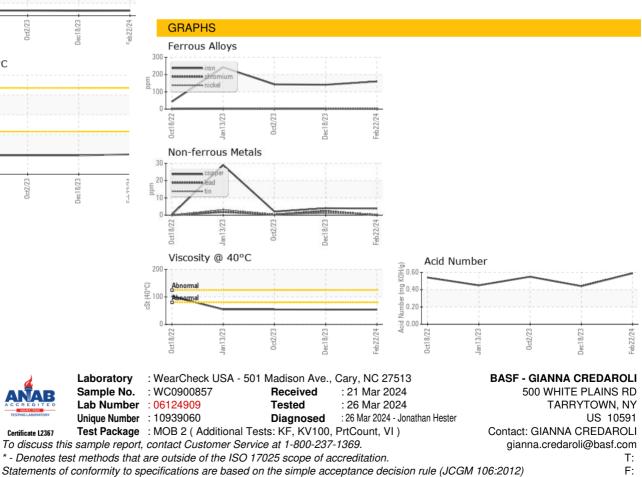
OIL ANALYSIS REPORT





Yellow MetalscaPrecipitatescaSiltsca	alar *Visi alar *Visi alar *Visi alar *Visi alar *Visi alar *Visi	ual NON ual NON ual NON ual NON	E NON E NON E NON E NON	E NONE	1 history2 NONE NONE NONE NONE
Yellow Metal sca Precipitate sca Silt sca Debris sca	alar *Visi alar *Visi alar *Visi alar *Visi	ual NON ual NON ual NON	E NON E NON	E NONE	NONE
Precipitate sca Silt sca Debris sca	alar *Visi alar *Visi alar *Visi	ual NON	E NON	E NONE	NONE
Silt sca Debris sca	alar *Visi alar *Visi	ual NON	E NON		
Debris sca	alar *Visi			E NONE	
		ial NON			NONE
Sand/Dirt sca			e 🔺 Mod	ER NONE	LIGHT
	alar *Visi	ual NON	E NON	E NONE	NONE
Appearance sca	alar *Visi	ual NOR	ML NOR	ML NORML	NORML
Odor sca	alar *Visi	ual NOR	ML NOR	ML NORML	NORML
Emulsified Water sca	alar *Visi	ual >.2	NEG	NEG	NEG
Free Water sca	alar *Visi	ual	NEG	NEG	NEG
FLUID PROPERTIES	me	thod limit	/base cur	rent history ⁻	1 history2
Visc @ 40°C cSt	t ASTN	/I D445	54.0	53.9	54.1
Visc @ 100°C cSt	t ASTN	/I D445	10.0	9.9	9.9
Viscosity Index (VI) Sca	ale ASTN	D2270	174	172	171
SAMPLE IMAGES	me	thod limit	/base cur	rent history ⁻	1 history2
Color			Un co	H WA 10.91 Aart Aart Aart	

Bottom



Report Id: bastarhd [WUSCAR] 06124909 (Generated: 03/26/2024 10:47:30) Rev: 1

Certificate L2367

Contact/Location: GIANNA CREDAROLI - BASTARHD