

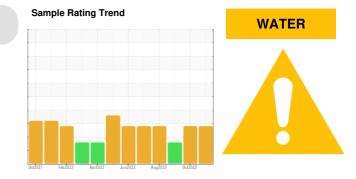
PROBLEM SUMMARY

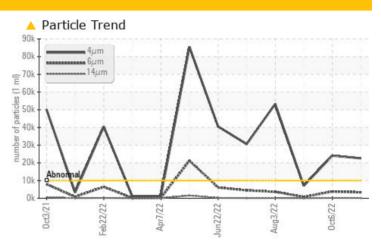
FRICK FRICK A

Component Screw Compressor Fluid COMPRESSOR OIL ISO 100 (--- GAL)

COMPONENT CONDITION SUMMARY







RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS Sample Status

Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
Water	%	ASTM D6304	>0.1	A 0.505	▲ 0.744	▲ 0.352
ppm Water	ppm	ASTM D6304	>1000	6 5055.3	▲ 7448.1	A 3527.7
Particles >4µm		ASTM D7647	>10000	<u> </u>	A 24027	7107
Particles >6µm		ASTM D7647	>2500	A 3343	A 3814	768
Oil Cleanliness		ISO 4406 (c)	>20/18/15	<u> </u>	2 2/19/15	20/17/12

Customer Id: GARROW Sample No.: TO60000195 Lab Number: 05698149 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Jonathan Hester +1 919-379-4092 x4092 jhester@wearcheckusa.com

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

RECOMMENDED ACTIONS						
Action	Status	Date	Done By	Description		
Change Filter	MISSED	Dec 19 2022	?	We recommend you service the filters on this component.		

HISTORICAL DIAGNOSIS

06 Oct 2022 Diag: Don Baldridge

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 high amount of silt (particulates < 14 microns in size) present in the oil. There is a light concentration of water present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

06 Sep 2022 Diag: Doug Bogart



We recommend you service the filters on this component. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.All component wear rates are normal. There is a light concentration of water present in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

03 Aug 2022 Diag: Don Baldridge

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 high amount of silt (particulates < 14 microns in size) present in the oil. There is a light concentration of water present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

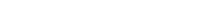


view report

view report









OIL ANALYSIS REPORT

Sample Rating Trend

WATER

FRICK FRICK A

Screw Compressor Fluid COMPRESSOR OIL ISO 100 (--- GAL)

DIAGNOSIS

A Recommendation

We recommend you service the filters on this component. 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. There is a light concentration of water present in the oil.

Fluid Condition

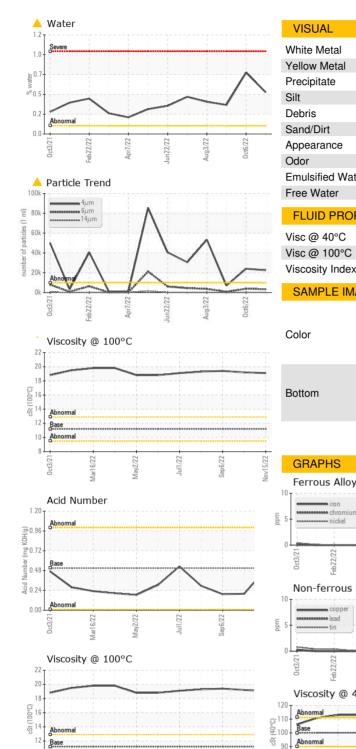
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sample Date Client Info 15 Nov 2022 06 Oct 2022 06 Sep 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 ABNORMAL ABNORMAL ABNORMAL ABNORMAL WEAR METALS method Imit/base current history1 history2 Iron ppm ASTM D5185m >60 0 <1			Oct2021	Feb2022 Apr2022	Jun2022 Aug2022 0	ct2022	
Sample Date Client Info 15 Nov 2022 06 Oct 2022 06 Sep 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 N/A Sample Status method Imitbase current history1 history2 Iron ppm ASTM 05185n >60 0 <1 <1 Nickel ppm ASTM 05185n >60 0 <1 0 Nickel ppm ASTM 05185n 5 0 0 0 Bard ppm ASTM 05185n >10 <1 0 <1 Cadmium ppm ASTM 05185n >10 <1 0 <1 Vanadium ppm ASTM 05185n 5 0 0 <1 Cadmium ppm ASTM 05185n 5 0 0 0 Andenum	SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Machine Age hrs Client Info 0 0 0 Oil Age hrs Client Info N/A N/A N/A N/A Sample Status Imit/base current history1 history2 Iron ppm ASTM 05185m >60 0 <1	Sample Number		Client Info		TO60000195	TO60000187	TO60000189
Oil Age hrs Client Info 0 0 0 Oil Changed Client Info N/A N/A N/A N/A Sample Status Image Image Current history2 history2 Iron ppm ASTM D5185m >60 0 <1	Sample Date		Client Info		15 Nov 2022	06 Oct 2022	06 Sep 2022
Oil Changed Client Info N/A N/A N/A ABNORMAL ABNORMAL Sample Status Client Info N/A ABNORMAL ABNORMAL ABNORMAL ABNORMAL WEAR METALS method Imit/base current history1 history2 Iron ppm ASTM D5185m >60 0 <1 <1 Okckel ppm ASTM D5185m 0 0 0 0 Silver ppm ASTM D5185m 0 0 0 0 Lead ppm ASTM D5185m >10 <1 0 0 Cadmium ppm ASTM D5185m >15 1 1 <1 Cadmium ppm ASTM D5185m 5 0 0 0 0 ADDITIVES method Imit/base current history1 history2 Barium ppm ASTM D5185m 5 0 0 0 Barium ppm ASTM D5185m	Machine Age	hrs	Client Info		0	0	0
Sample Status method Imit/base current history1 ABNORMAL WEAR METALS method limit/base current history2 Iron ppm ASTM D5185n >40 0 0 0 Nickel ppm ASTM D5185n >4 0 0 0 Nickel ppm ASTM D5185n >5 0 0 0 Silver ppm ASTM D5185n >5 0 0 0 Lead ppm ASTM D5185n >10 <1	Oil Age	hrs	Client Info		0	0	0
WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >60 0 <1	Oil Changed		Client Info		N/A	N/A	N/A
Iron ppm ASTM D5185m >60 0 <1 <1 Chromium ppm ASTM D5185m 0 0 0 0 Nickel ppm ASTM D5185m 0 0 0 0 Silver ppm ASTM D5185m 0 0 0 0 Aluminum ppm ASTM D5185m >10 <1	Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
Ppm ASTM D5185m >4 0 0 0 Nickel ppm ASTM D5185m 0 <1	WEAR METALS		method	limit/base	current	history1	history2
Nickel ppm ASTM D5185m 0 <1 0 Titanium ppm ASTM D5185m 0 0 0 Silver ppm ASTM D5185m >5 0 0 0 Aluminum ppm ASTM D5185m >5 0 0 0 Lead ppm ASTM D5185m >10 -1 0 -1 Copper ppm ASTM D5185m >15 1 1 -1 Vanadium ppm ASTM D5185m >0 0 0 -1 Cadmium ppm ASTM D5185m 0 0 0 0 Addium ppm ASTM D5185m 5 0 0 0 Barium ppm ASTM D5185m 5 0 0 0 Molybdenum ppm ASTM D5185m 5 0 0 0 Molybdenum ppm ASTM D5185m 5 0 0 -1 Calciu	Iron	ppm	ASTM D5185m	>60	0	<1	<1
Titanium ppm ASTM D5185m 0 0 0 Silver ppm ASTM D5185m S5 0 0 0 Aluminum ppm ASTM D5185m >50 0 0 0 Lead ppm ASTM D5185m >10 <1	Chromium	ppm	ASTM D5185m	>4	0	0	0
Silver ppm ASTM D5185m 0 0 0 0 Aluminum ppm ASTM D5185m >5 0 0 0 Lead ppm ASTM D5185m >10 <1	Nickel	ppm	ASTM D5185m		0	<1	0
Aluminum ppm ASTM D5185m >5 0 0 0 Lead ppm ASTM D5185m >10 <1	Titanium	ppm	ASTM D5185m		0	0	0
Lead ppm ASTM D5185m >10 <1 0 <1 Copper ppm ASTM D5185m >30 0 0 0 Tin ppm ASTM D5185m >15 1 1 <1	Silver	ppm	ASTM D5185m		0	0	0
Copper ppm ASTM D5185m >30 0 0 0 Tin ppm ASTM D5185m >15 1 1 <1	Aluminum	ppm	ASTM D5185m	>5	0	0	0
Tin ppm ASTM D5185m<>15 1 1 <1 Vanadium ppm ASTM D5185m 0 0 <1	Lead	ppm	ASTM D5185m	>10	<1	0	<1
Vanadium ppm ASTM D5185m 0 0 <1 Cadmium ppm ASTM D5185m 0 0 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 5 0 0 3 Barium ppm ASTM D5185m 5 0 0 0 Molybdenum ppm ASTM D5185m 5 0 0 0 Maganese ppm ASTM D5185m 5 0 0 0 Calcium ppm ASTM D5185m 5 0 0 <1	Copper	ppm	ASTM D5185m	>30	0	0	0
Cadmium ppm ASTM D5185m 0 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 5 0 0 3 Barium ppm ASTM D5185m 5 0 0 0 Molybdenum ppm ASTM D5185m 5 0 0 0 Manganese ppm ASTM D5185m 5 0 0 0 Manganesium ppm ASTM D5185m 5 0 0 0 0 Calcium ppm ASTM D5185m 5 0 0 <11 22 1 Phosphorus ppm ASTM D5185m 5 0 0 <11 2475 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m 50 26 24 17 Sodium ppm ASTM D6185m	Tin	ppm	ASTM D5185m	>15	1	1	<1
ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 5 0 0 3 Barium ppm ASTM D5185m 5 0 0 0 Molybdenum ppm ASTM D5185m 5 0 0 0 Magnesium ppm ASTM D5185m 5 0 0 0 Calcium ppm ASTM D5185m 5 0 0 <1	Vanadium	ppm	ASTM D5185m		0	0	<1
Boron ppm ASTM D5185m 5 0 0 3 Barium ppm ASTM D5185m 5 0 0 0 Molybdenum ppm ASTM D5185m 5 0 0 0 Manganese ppm ASTM D5185m 5 0 0 0 Magnesium ppm ASTM D5185m 5 0 0 <1	Cadmium	ppm	ASTM D5185m		0	0	0
Barium ppm ASTM D5185m 5 0 0 0 Molybdenum ppm ASTM D5185m 5 0 0 0 Manganese ppm ASTM D5185m 5 0 0 0 Magnesium ppm ASTM D5185m 5 0 0 <1	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum ppm ASTM D5185m 5 0 0 0 Manganese ppm ASTM D5185m 5 0 0 <1	Boron	ppm	ASTM D5185m	5	0	0	3
Manganese ppm ASTM D5185m 0 0 0 Magnesium ppm ASTM D5185m 5 0 0 <1	Barium	ppm	ASTM D5185m	5	0	0	0
Magnesium ppm ASTM D5185m 5 0 0 <1 Calcium ppm ASTM D5185m 5 <1	Molybdenum	ppm	ASTM D5185m	5	0	0	0
Calcium ppm ASTM D5185m 5 <1 2 1 Phosphorus ppm ASTM D5185m 150 29 31 36 Zinc ppm ASTM D5185m 5 0 0 <1	Manganese	ppm	ASTM D5185m		0	0	0
Phosphorus ppm ASTM D5185m 150 29 31 36 Zinc ppm ASTM D5185m 5 0 0 <1 Sulfur ppm ASTM D5185m 5000 2942 3187 2475 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >50 26 24 17 Sodium ppm ASTM D5185m >50 26 24 17 Sodium ppm ASTM D5185m >50 26 0 0 0 Potassium ppm ASTM D5185m >20 0 0 2 Water % ASTM D6304 >0.1 0.5055 0.744 0.352 ppm Water ppm ASTM D7647 >10000 22569 24027 7107 Particles >4µm ASTM D7647 >2500 3343 3814 768 Particles >14µm ASTM D7647 320 <td>Magnesium</td> <td>ppm</td> <td>ASTM D5185m</td> <td>5</td> <th>0</th> <td>0</td> <td><1</td>	Magnesium	ppm	ASTM D5185m	5	0	0	<1
Zinc ppm ASTM D5185m 5 0 0 <1 Sulfur ppm ASTM D5185m 5000 2942 3187 2475 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >50 26 24 17 Sodium ppm ASTM D5185m >50 26 24 17 Sodium ppm ASTM D5185m >20 0 0 0 Potassium ppm ASTM D5185m >20 0 0 2 Water % ASTM D6304 >0.1 ▲ 0.505 ▲ 0.744 ▲ 0.352 ppm Water ppm ASTM D6304 >1000 ▲ 5055.3 ▲ 7448.1 ▲ 3527.7 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >10000 ▲ 22569 ▲ 24027 7107 Particles >14µm ASTM D7647	Calcium	ppm	ASTM D5185m	5	<1	2	1
Sulfur ppm ASTM D5185m 5000 2942 3187 2475 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >50 26 24 17 Sodium ppm ASTM D5185m >50 26 24 17 Sodium ppm ASTM D5185m >50 26 24 17 Sodium ppm ASTM D5185m >50 26 0 0 0 Potassium ppm ASTM D5185m >20 0 0 22 Water % ASTM D6304 >0.1 0.5055 0.744 0.352 ppm Water ppm ASTM D6304 >1000 25055.3 7448.1 3527.7 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >10000 22569 24027 7107 Particles >51µm ASTM D7647	Phosphorus	ppm	ASTM D5185m	150	29	31	36
CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >50 26 24 17 Sodium ppm ASTM D5185m >50 26 24 17 Sodium ppm ASTM D5185m >20 0 0 0 Potassium ppm ASTM D5304 >0.1 0.505 0.744 0.352 ppm Water % ASTM D6304 >1000 5055.3 7448.1 3527.7 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >10000 22569 24027 7107 Particles >6µm ASTM D7647 >200 3343 3814 768 Particles >1µm ASTM D7647 >320 187 194 31 Particles >38µm ASTM D7647 >20 1 2 0 Particles >71µm ASTM D7647 20 0 0	Zinc	ppm	ASTM D5185m	5	0	0	<1
Silicon ppm ASTM D5185m >50 26 24 17 Sodium ppm ASTM D5185m 0 0 0 0 Potassium ppm ASTM D5185m >20 0 0 2 Water % ASTM D6304 >0.1 ▲ 0.505 ▲ 0.744 ▲ 0.352 ppm Water ppm ASTM D6304 >1000 ▲ 5055.3 ▲ 7448.1 ▲ 3527.7 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >10000 ▲ 22569 ▲ 24027 7107 Particles >6µm ASTM D7647 >200 ▲ 3343 ▲ 3814 768 Particles >1µm ASTM D7647 >320 187 194 31 Particles >21µm ASTM D7647 >20 1 2 0 Particles >38µm ASTM D7647 >20 1 2 0 Particles >71µm ASTM D7647 20 1 2	Sulfur	ppm	ASTM D5185m	5000	2942	3187	2475
Sodium ppm ASTM D5185m 0 0 0 Potassium ppm ASTM D5185m >20 0 0 2 Water % ASTM D6304 >0.1 0.5055 0.744 0.352 ppm Water ppm ASTM D6304 >1000 5055.3 7448.1 3527.7 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >10000 22569 24027 7107 Particles >6µm ASTM D7647 >2500 3343 3814 768 Particles >14µm ASTM D7647 >320 187 194 31 Particles >14µm ASTM D7647 >20 1 2 0 Particles >38µm ASTM D7647 >20 1 2 0 Particles >71µm ASTM D7647 >4 0 0 0 0 OI Cleanliness ISO 4406 (c) >20/18/15 22/19/15 22/19/15 20/17/12<	CONTAMINANTS		method	limit/base	current	history1	history2
Potassium ppm ASTM D5185m >20 0 0 2 Water % ASTM D6304 >0.1 ▲ 0.505 ▲ 0.744 ▲ 0.352 ppm Water ppm ASTM D6304 >1000 ▲ 5055.3 ▲ 7448.1 ▲ 3527.7 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >10000 ▲ 22569 ▲ 24027 7107 Particles >6µm ASTM D7647 >2500 ▲ 3343 ▲ 3814 768 Particles >14µm ASTM D7647 >320 187 194 31 Particles >21µm ASTM D7647 >20 1 2 0 Particles >38µm ASTM D7647 >20 1 2 0 Particles >71µm ASTM D7647 >4 0 0 0 0 Oli Cleanliness ISO 4406 (c) >20/18/15 22/19/15 22/19/15 20/17/12 FLUID DEGRADATION method limit/base current	Silicon	ppm	ASTM D5185m	>50	26	24	17
Water % ASTM D6304 >0.1 ▲ 0.505 ▲ 0.744 ▲ 0.352 ppm Water ppm ASTM D6304 >1000 ▲ 5055.3 ▲ 7448.1 ▲ 3527.7 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >10000 ▲ 22569 ▲ 24027 7107 Particles >6µm ASTM D7647 >2500 ▲ 3343 ▲ 3814 768 Particles >14µm ASTM D7647 >320 187 194 31 Particles >21µm ASTM D7647 >80 51 32 7 Particles >38µm ASTM D7647 >20 1 2 0 Particles >71µm ASTM D7647 >4 0 0 0 Oil Cleanliness ISO 4406 (c) >20/18/15 22/19/15 22/19/15 20/17/12 FLUID DEGRADATION method limit/base current history1 history2	Sodium	ppm	ASTM D5185m		0	0	0
ppm Water ppm ASTM D6304 >1000 5055.3 7448.1 3527.7 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >10000 22569 24027 7107 Particles >6µm ASTM D7647 >2500 3343 3814 768 Particles >14µm ASTM D7647 >320 187 194 31 Particles >21µm ASTM D7647 >20 1 2 0 Particles >38µm ASTM D7647 >20 1 2 0 Particles >71µm ASTM D7647 >4 0 0 0 Oil Cleanliness ISO 4406 (c) >20/18/15 22/19/15 22/19/15 20/17/12 FLUID DEGRADATION method limit/base current history1 history2	Potassium	ppm	ASTM D5185m	>20	0	0	2
FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >10000 ▲ 22569 ▲ 24027 7107 Particles >6µm ASTM D7647 >2500 ▲ 3343 ▲ 3814 768 Particles >14µm ASTM D7647 >320 187 194 31 Particles >21µm ASTM D7647 >80 51 32 7 Particles >38µm ASTM D7647 >20 1 2 0 Particles >38µm ASTM D7647 >4 0 0 0 Oil Cleanliness ISO 4406 (c) >20/18/15 22/19/15 22/19/15 20/17/12 FLUID DEGRADATION method limit/base current history1 history2	Water	%	ASTM D6304	>0.1	A 0.505	▲ 0.744	▲ 0.352
Particles >4µm ASTM D7647 >10000 ▲ 22569 ▲ 24027 7107 Particles >6µm ASTM D7647 >2500 ▲ 3343 ▲ 3814 768 Particles >14µm ASTM D7647 >320 187 194 31 Particles >21µm ASTM D7647 >80 51 32 7 Particles >38µm ASTM D7647 >20 1 2 0 Particles >71µm ASTM D7647 >4 0 0 0 Oil Cleanliness ISO 4406 (c) >20/18/15 ▲ 22/19/15 ▲ 22/19/15 20/17/12 FLUID DEGRADATION method limit/base current history1 history2	ppm Water	ppm	ASTM D6304	>1000	▲ 5055.3	▲ 7448.1	▲ 3527.7
Particles >6μm ASTM D7647 >2500 ▲ 3343 ▲ 3814 768 Particles >14μm ASTM D7647 >320 187 194 31 Particles >21μm ASTM D7647 >80 51 32 7 Particles >38μm ASTM D7647 >20 1 2 0 Particles >38μm ASTM D7647 >20 1 2 0 Particles >71μm ASTM D7647 >4 0 0 0 Oil Cleanliness ISO 4406 (c) >20/18/15 22/19/15 22/19/15 20/17/12 FLUID DEGRADATION method limit/base current history1 history2	FLUID CLEANLINE	ESS	method	limit/base	current	history1	history2
Particles >14μm ASTM D7647 >320 187 194 31 Particles >21μm ASTM D7647 >80 51 32 7 Particles >38μm ASTM D7647 >20 1 2 0 Particles >38μm ASTM D7647 >20 1 2 0 Particles >71μm ASTM D7647 >4 0 0 0 Oil Cleanliness ISO 4406 (c) >20/18/15 22/19/15 22/19/15 20/17/12 FLUID DEGRADATION method limit/base current history1 history2	Particles >4µm						
Particles >21μm ASTM D7647 >80 51 32 7 Particles >38μm ASTM D7647 >20 1 2 0 Particles >38μm ASTM D7647 >20 1 2 0 Particles >71μm ASTM D7647 >4 0 0 0 Oil Cleanliness ISO 4406 (c) >20/18/15 22/19/15 20/17/12 FLUID DEGRADATION method limit/base current history1 history2	Particles >6µm		ASTM D7647			▲ 3814	768
Particles >38μm ASTM D7647 >20 1 2 0 Particles >71μm ASTM D7647 >4 0 0 0 Oil Cleanliness ISO 4406 (c) >20/18/15 22/19/15 22/19/15 20/17/12 FLUID DEGRADATION method limit/base current history1 history2	Particles >14µm						
Particles >71μm ASTM D7647 >4 0 0 0 Oil Cleanliness ISO 4406 (c) >20/18/15 ▲ 22/19/15 ▲ 22/19/15 20/17/12 FLUID DEGRADATION method limit/base current history1 history2	Particles >21µm		ASTM D7647	>80	51	32	7
Oil Cleanliness ISO 4406 (c) >20/18/15 22/19/15 22/19/15 20/17/12 FLUID DEGRADATION method limit/base current history1 history2	Particles >38µm		ASTM D7647	>20		2	0
FLUID DEGRADATION method limit/base current history1 history2	Particles >71µm		ASTM D7647	>4	0	0	0
	Oil Cleanliness		ISO 4406 (c)	>20/18/15	A 22/19/15	A 22/19/15	20/17/12
Acid Number (AN) mg KOH/g ASTM D8045 0.51 0.493 0.199 0.194	FLUID DEGRADA	TION	method	limit/base	current	history1	history2
	Acid Number (AN)	mg KOH/g	ASTM D8045	0.51	0.493	0.199	0.194

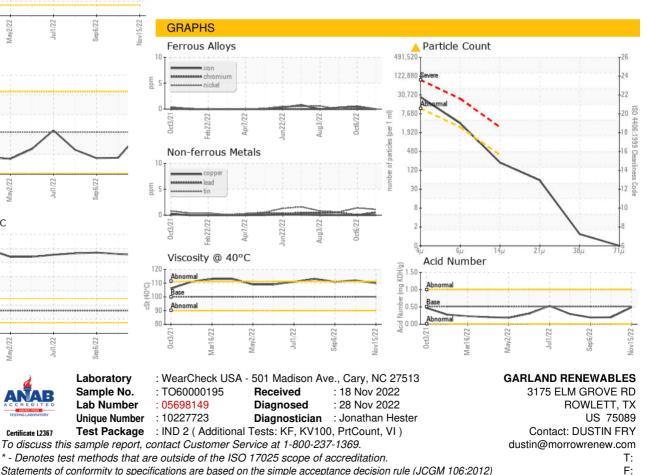
Contact/Location: DUSTIN FRY - GARROW

TULCO WEATERK

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	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	>0.1	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	100	110	112	111
Visc @ 100°C	cSt	ASTM D445	11.2	19.1	19.2	19.4
Viscosity Index (VI)	Scale	ASTM D2270	97	195	193	197
SAMPLE IMAGES	;	method	limit/base	current	history1	history2
Color						



Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Certificate L2367

Mav2/22

Mar16/22

10 Abnormal

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