

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

RECYCLED NH3 Component

Refrigeration Compressor USPI ALT-68 SC (--- QTS)

Recommendation

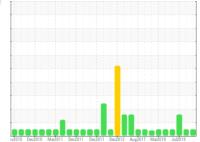
This is a baseline read-out on the submitted sample.

Contamination

There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

Fluid Condition

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





Sample Number Client Info USP0002983 USP0000689 USP194304 Sample Date Client Info 31 Oct 2023 16 Aug 2023 04 Jul 2019 Machine Age mis Client Info 0 0 0 Oll Age mis Client Info N/A N/A N/A Sample Status Client Info N/A N/A N/A N/A WEAR METALS method Imit/base current history history2 fron ppm ASTM 05185m >2 0 0 0 Silver ppm ASTM 05185m >2 0 0 0 Silver ppm ASTM 05185m >2 0 0 0 Copper ppm ASTM 05185m >2 0 0 0 Vanadium ppm ASTM 05185m >4 0 0 0 Vanadium ppm ASTM 05185m 0 <1 1 Vanadium <td< th=""><th>SAMPLE INFORM</th><th>MATION</th><th>method</th><th>limit/base</th><th>current</th><th>history1</th><th>history2</th></td<>	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Machine Age mis Client Info 0 0 0 Oil Age mis Client Info N/A N/A N/A Sample Status Client Info N/A N/A N/A N/A WEAR METALS method imit/base current history1 history2 Iron ppm ASTM 05185m >2 0 0 0 Nickel ppm ASTM 05185m >2 0 0 0 Silver ppm ASTM 05185m >2 0 0 0 Lead ppm ASTM 05185m >2 0 0 0 Antimomy ppm ASTM 05185m >2 0 0 0 Vanadium ppm ASTM 05185m >2 0 0 0 Vanadium ppm ASTM 05185m 2 0 0 0 Vanadium ppm ASTM 05185m 0 0 0 0 Cadmium </th <th>Sample Number</th> <th></th> <th>Client Info</th> <th></th> <th>USP0002983</th> <th>USP0000689</th> <th>USP194304</th>	Sample Number		Client Info		USP0002983	USP0000689	USP194304
Oli Age mis Client Info 0 0 0 Oli Changed Client Info N/A N/A N/A N/A Sample Status nethod Imitbos current history1 history2 Iron ppm ASTM 05185m >2 0 0 0 Nickel ppm ASTM 05185m 0 0 0 0 Silver ppm ASTM 05185m >2 0 0 0 Aluminum ppm ASTM 05185m >2 0 0 0 Silver ppm ASTM 05185m >2 0 0 0 Aluminum ppm ASTM 05185m >2 0 0 0 Capper ppm ASTM 05185m >2 0 0 0 Cadmium ppm ASTM 05185m 0 0 0 ADDITVES method imit/base current history2 Boron ppm<	Sample Date		Client Info		31 Oct 2023	16 Aug 2023	04 Jul 2019
Oil Changed Client Info N/A N/A N/A N/A Sample Status method limit/base current history1 history2 Iron ppm ASTM D5185m >8 0 0 1 Chromium ppm ASTM D5185m >2 0 0 0 Nickel ppm ASTM D5185m >2 0 0 0 Silver ppm ASTM D5185m >2 0 0 0 Lead ppm ASTM D5185m >2 0 0 0 Lead ppm ASTM D5185m >2 0 0 0 Antimony ppm ASTM D5185m >2 0 0 0 Antimony ppm ASTM D5185m >4 0 0 0 Antimony ppm ASTM D5185m 0 0 0 0 Antimony ppm ASTM D5185m 0 0 0 0	Machine Age	mls	Client Info		0	0	0
Sample Status method Imit/base current NoRMAL MARGINAL WEAR METALS method imit/base current history1 history2 Iron ppm ASTM.05185m >2 0 0 0 Nickel ppm ASTM.05185m >2 0 0 0 Tatanium ppm ASTM.05185m >2 0 0 0 Silver ppm ASTM.05185m >2 0 0 0 Lead ppm ASTM.05185m >2 0 0 0 Copper ppm ASTM.05185m >4 0 0 0 Antimony ppm ASTM.05185m <1 <1 <1 <1 Cadmium ppm ASTM.05185m <0 0 0 0 AsTM.05185m 0 0 <1 <1 <1 <1 Cadmium ppm ASTM.05185m 0 <1 0 0	Oil Age	mls	Client Info		0	0	0
Sample Status method imil/base current NORMAL MARGINAL WEAR METALS method imil/base current history1 history2 Iron ppm ASTM D5185m >8 0 0 1 Chromium ppm ASTM D5185m >2 0 0 0 Nickel ppm ASTM D5185m >2 0 0 0 Silver ppm ASTM D5185m >2 0 0 0 Lead ppm ASTM D5185m >2 0 0 0 Copper ppm ASTM D5185m >4 0 0 0 Antimony ppm ASTM D5185m <1 <1 <1 <1 Cadmium ppm ASTM D5185m 0 0 0 0 Manganese ppm ASTM D5185m 0 <1 <1 <1 Cadmium ppm ASTM D5185m 0 <1 0 <td< th=""><th>Oil Changed</th><th></th><th>Client Info</th><th></th><th>N/A</th><th>N/A</th><th>N/A</th></td<>	Oil Changed		Client Info		N/A	N/A	N/A
Iron ppm ASTM D5185m >8 0 0 1 Chromium ppm ASTM D5185m >2 0 0 0 Nickel ppm ASTM D5185m 0 0 0 0 Silver ppm ASTM D5185m >2 0 0 0 Auminum ppm ASTM D5185m >2 0 0 0 Lead ppm ASTM D5185m >2 0 0 0 Copper ppm ASTM D5185m >2 0 0 0 0 Tin ppm ASTM D5185m >8 0 0 0 0 Cadmium ppm ASTM D5185m <	-				NORMAL	NORMAL	MARGINAL
Chromium ppm ASTM D5185m >2 0 0 0 Nickel ppm ASTM D5185m 0 -1 0 Silver ppm ASTM D5185m >2 0 0 0 Aluminum ppm ASTM D5185m >2 0 0 0 Lead ppm ASTM D5185m >2 0 0 0 Antimony ppm ASTM D5185m >2 0 0 0 Vanadium ppm ASTM D5185m >2 0 0 0 0 Vanadium ppm ASTM D5185m <1 <1 <1 <1 Cadmium ppm ASTM D5185m 0 0 0 0 0 Marganese ppm ASTM D5185m 0 0 <1 0 Marganese ppm ASTM D5185m 0 <1 0 0 Marganese ppm ASTM D5185m 0 0<	WEAR METALS		method	limit/base	current	history1	history2
Chromium ppm ASTM D5185m >2 0 0 0 Nickel ppm ASTM D5185m 0 - 1 Silver ppm ASTM D5185m 2 0 0 0 Auminum ppm ASTM D5185m >2 0 0 0 Lead ppm ASTM D5185m >2 0 0 0 Copper ppm ASTM D5185m >2 0 0 0 Tin ppm ASTM D5185m >8 0 0 Cadmium ppm ASTM D5185m 0 Vanadium ppm ASTM D5185m 0 0 0 0 Boron ppm ASTM D5185m 0 0 0 0 Barium ppm ASTM D5185m 0 -1 0 0 Glaicium ppm ASTM D5185m 0 -1 0 0 <td< th=""><th>Iron</th><th>ppm</th><th>ASTM D5185m</th><th>>8</th><th>0</th><th>0</th><th>1</th></td<>	Iron	ppm	ASTM D5185m	>8	0	0	1
Nickel ppm ASTM D5185m 0 0 0 0 Titanium ppm ASTM D5185m >2 0 0 0 Silver ppm ASTM D5185m >2 0 0 0 Aluminum ppm ASTM D5185m >2 0 0 0 Lead ppm ASTM D5185m >2 0 0 0 Antimony ppm ASTM D5185m >4 0 0 0 Antimony ppm ASTM D5185m 0 Vanadium ppm ASTM D5185m 0 <1 <1 Cadmium ppm ASTM D5185m 0 0 0 0 Manganess ppm ASTM D5185m 0 <1 0 0 Manganess ppm ASTM D5185m 0 <1 0 0 Soldenum ppm ASTM D5185m 0 0 <1 1 </th <th>Chromium</th> <th></th> <th>ASTM D5185m</th> <th>>2</th> <th>0</th> <th>0</th> <th>0</th>	Chromium		ASTM D5185m	>2	0	0	0
Titanium ppm ASTM D5185m 2 0 <1	Nickel		ASTM D5185m		0	0	0
Silver ppm ASTM D5185m >2 0 0 0 Aluminum ppm ASTM D5185m >3 0 0 0 Lead ppm ASTM D5185m >2 0 0 0 Copper ppm ASTM D5185m >2 0 0 <1 Tin ppm ASTM D5185m >4 0 0 0 Antimony ppm ASTM D5185m <1 <1 <1 <1 Cadmium ppm ASTM D5185m <0 0 0 0 ADDITIVES method imit/base current history1 history2 Boron ppm ASTM D5185m 0 0 0 0 Manganese ppm ASTM D5185m 0 0 0 0 Malganesium ppm ASTM D5185m 0 1 <1 0 Sulfur ppm ASTM D5185m 0 1 <1 1	Titanium		ASTM D5185m		0	<1	0
Atuminum ppm ASTM D5185m >3 0 0 0 Lead ppm ASTM D5185m >2 0 0 0 Copper ppm ASTM D5185m >8 0 0 <1 Tin ppm ASTM D5185m >4 0 0 0 Antimony ppm ASTM D5185m <1 <1 <1 <1 Cadmium ppm ASTM D5185m 0 0 <1 <1 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 0 0 0 Manganese ppm ASTM D5185m 0 <1 0 0 Magnesium ppm ASTM D5185m 0 <1 0 0 0 Calcium ppm ASTM D5185m 0 <1 0 0 0 1 1 0 Sulfur ppm <	Silver		ASTM D5185m	>2	0	0	0
Lead ppm ASTM D5185m >2 0 0 0 Copper ppm ASTM D5185m >8 0 0 <1 Tin ppm ASTM D5185m >4 0 0 0 Antimony ppm ASTM D5185m 0 Vanadium ppm ASTM D5185m <1 <1 <1 Cadmium ppm ASTM D5185m 0 <1 <1 ADDITIVES method imit/base current history1 history2 Boron ppm ASTM D5185m 0 0 0 0 Magnesize ppm ASTM D5185m 0 0 0 0 Magnesium ppm ASTM D5185m 0 0 1 <1 Sulfur ppm ASTM D5185m 0 0 0 1 <1 Sulfur ppm ASTM D5185m 0 25 0 23 CONTA	Aluminum		ASTM D5185m	>3		0	0
Copper ppm ASTM D5185m >8 0 0 <1					-		
Tin ppm ASTM D5185m >4 0 0 0 Antimony ppm ASTM D5185m 0 Vanadium ppm ASTM D5185m <1 <1 <1 Cadmium ppm ASTM D5185m 0 <1 <1 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 0 0 0 Margaenese ppm ASTM D5185m 0 0 <1 0 Magnesium ppm ASTM D5185m 0 <1 0 0 Calcium ppm ASTM D5185m 0 <1 0 0 Sulfur ppm ASTM D5185m 0 1 <1 0 Sulfur ppm ASTM D5185m 50 25 0 23 CONTAMINANTS method limit/base current history1 history2 Silicon <th></th> <th></th> <th></th> <th></th> <th>-</th> <th></th> <th></th>					-		
Antimony ppm ASTM D5185m 0 Vanadium ppm ASTM D5185m <1 <1 <1 Cadmium ppm ASTM D5185m 0 <1 <1 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 0 0 0 Magnanese ppm ASTM D5185m 0 0 <1 0 Magnese ppm ASTM D5185m 0 <1 0 1 1 1 0 0 0 0 0 0 0 0 0 <					-		
Vanadium ppm ASTM D5185m <1					-		
Cadmium ppm ASTM D5185m 0 <1	•						-
ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 0 0 Barium ppm ASTM D5185m 0 0 0 Manganese ppm ASTM D5185m 0 <1 0 Magnesium ppm ASTM D5185m 0 <1 0 Calcium ppm ASTM D5185m 0 <1 0 Calcium ppm ASTM D5185m 0 1 <1 Zinc ppm ASTM D5185m 0 0 <1 Sulfur ppm ASTM D5185m 50 25 0 23 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >15 4 4 3 Sodium ppm ASTM D5185m >20 2 2 3 Water % ASTM D6304 >0.01 0							
Boron ppm ASTM D5185m 0 0 0 Barium ppm ASTM D5185m 0 0 0 Molybdenum ppm ASTM D5185m 0 0 <1 Manganese ppm ASTM D5185m 0 <1 0 Magnesium ppm ASTM D5185m 0 <1 0 Calcium ppm ASTM D5185m 0 0 0 0 Phosphorus ppm ASTM D5185m 0 0 0 <1 Sulfur ppm ASTM D5185m 50 25 0 23 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >15 4 4 3 Sodium ppm ASTM D5185m >20 2 2 3 Water % ASTM D6185m >20 2 3 100 ppm ASTM D647 200 </th <th></th> <th>ppm</th> <th></th> <th>limit/booo</th> <th>-</th> <th></th> <th></th>		ppm		limit/booo	-		
Barium ppm ASTM D5185m 0 0 0 Molybdenum ppm ASTM D5185m 0 <1 0 Magnesium ppm ASTM D5185m 0 <1 0 Magnesium ppm ASTM D5185m 0 <1 0 Calcium ppm ASTM D5185m 0 0 0 0 Phosphorus ppm ASTM D5185m 0 0 <1 <1 Zinc ppm ASTM D5185m 0 0 <1 <1 Sulfur ppm ASTM D5185m 50 25 0 23 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >1 <1 0 0 Potassium ppm ASTM D5185m >20 2 2 3 Water % ASTM D504 >0.01 0.001 0.001 0.010 particles >4µm				iimii/base			
Molybdenum ppm ASTM D5185m 0 <1							
Manganese ppm ASTM D5185m 0 <1		ppm			-		
Magnesium ppm ASTM D5185m 0 <1	-	ppm			-		
Calcium ppm ASTM D5185m 0 0 0 0 Phosphorus ppm ASTM D5185m 0 1 <1 Zinc ppm ASTM D5185m 0 0 <1 Sulfur ppm ASTM D5185m 50 25 0 23 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >15 4 4 3 Sodium ppm ASTM D5185m >12 2 3 0 Potassium ppm ASTM D5185m >20 2 2 3 Water % ASTM D6304 >0.01 0.001 0.001 0.010 ppm Water ppm ASTM D7647 205 166 17696 Particles >4µm ASTM D7647 >2500 52 56 2376 Particles >6µm ASTM D7647 >320 8 6 32 Particles >21µm </th <th>-</th> <th>ppm</th> <th></th> <th></th> <th>-</th> <th></th> <th></th>	-	ppm			-		
Phosphorus ppm ASTM D5185m 0 1 <1	-						
Zinc ppm ASTM D5185m 0 0 <1		ppm			-		
Sulfur ppm ASTM D5185m 50 25 0 23 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >15 4 4 3 Sodium ppm ASTM D5185m >15 4 4 3 Sodium ppm ASTM D5185m >20 2 2 3 Water % ASTM D6304 >0.01 0.001 0.001 0.010 ppm MASTM D6304 >100 10.1 13.8 100 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 22500 52 56 2376 Particles >6µm ASTM D7647 >200 0 1 7 Particles >14µm ASTM D7647 >200 0 1 7 Particles >38µm ASTM D7647 >20 0 0 1 <td< th=""><th></th><th></th><th></th><th></th><th>-</th><th></th><th></th></td<>					-		
CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >15 4 4 3 Sodium ppm ASTM D5185m >10 1 <1 0 Potassium ppm ASTM D5185m >20 2 2 3 Water % ASTM D6304 >0.01 0.001 0.001 0.010 ppm Water ppm ASTM D6304 >100 10.1 13.8 100 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 205 166 17696 Particles >6µm ASTM D7647 >2500 52 56 2376 Particles >1µm ASTM D7647 >20 0 1 7 Particles >38µm ASTM D7647 >20 0 1 7 Particles >71µm ASTM D7647 >20 0 0 0 <td< th=""><th>-</th><th>ppm</th><th></th><th></th><th>-</th><th></th><th></th></td<>	-	ppm			-		
Silicon ppm ASTM D5185m >15 4 4 3 Sodium ppm ASTM D5185m >1 <1	Sulfur	ppm	ASTM D5185m	50	25	0	23
Sodium ppm ASTM D5185m 1 <1	CONTAMINANTS	;	method	limit/base	current	history1	history2
Potassium ppm ASTM D5185m >20 2 2 3 Water % ASTM D6304 >0.01 0.001 0.001 ▲ 0.010 ppm Water ppm ASTM D6304 >100 10.1 13.8 ▲ 100 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 205 166 17696 Particles >6µm ASTM D7647 >2500 52 56 2376 Particles >14µm ASTM D7647 >320 8 6 32 Particles >14µm ASTM D7647 >20 0 1 7 Particles >21µm ASTM D7647 >20 0 1 7 Particles >38µm ASTM D7647 >20 0 0 1 Particles >71µm ASTM D7647 >4 0 0 0 Oil Cleanliness ISO 4406 (c) >/18/15 15/13/10 15/13/10 21/18/12	Silicon	ppm	ASTM D5185m	>15	4	4	3
Water % ASTM D6304 >0.01 0.001 △ 0.010 ppm Water ppm ASTM D6304 >100 10.1 13.8 100 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 205 166 17696 Particles >6µm ASTM D7647 >2500 52 56 2376 Particles >6µm ASTM D7647 >20 52 56 2376 Particles >14µm ASTM D7647 >320 8 6 32 Particles >21µm ASTM D7647 >20 0 0 1 Particles >21µm ASTM D7647 >20 0 0 1 Particles >38µm ASTM D7647 >20 0 0 0 Oil Cleanliness ISO 4406 (c) >/18/15 15/13/10 15/13/10 21/18/12 FLUID DEGRADATION method limit/base current history1 history2 Acid Number (AN) mg KOHg ASTM D974 0.005 0.016 0.014 0	Sodium	ppm	ASTM D5185m		1	<1	0
ppm Water ppm ASTM D6304 >100 10.1 13.8 ▲ 100 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 205 166 17696 Particles >6µm ASTM D7647 >2500 52 56 2376 Particles >14µm ASTM D7647 >320 8 6 32 Particles >14µm ASTM D7647 >30 2 1 7 Particles >21µm ASTM D7647 >20 0 0 1 Particles >38µm ASTM D7647 >20 0 0 1 Particles >38µm ASTM D7647 >40 0 0 0 Oil Cleanliness ISO 4406 (c) >/18/15 15/13/10 15/13/10 21/18/12 FLUID DEGRADATION method limit/base current history1 history2 Acid Number (AN) mg KOHg ASTM D794 0.005 0.016 0.014 0.007	Potassium	ppm	ASTM D5185m	>20	2	2	3
FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 205 166 17696 Particles >6µm ASTM D7647 >2500 52 56 2376 Particles >14µm ASTM D7647 >320 8 6 32 Particles >21µm ASTM D7647 >80 2 1 7 Particles >21µm ASTM D7647 >20 0 0 1 Particles >38µm ASTM D7647 >20 0 0 1 Particles >38µm ASTM D7647 >4 0 0 0 Oil Cleanliness ISO 4406 (c) >/18/15 15/13/10 15/13/10 21/18/12 FLUID DEGRADATION method limit/base current history1 history2 Acid Number (AN) mg KOH/g ASTM D974 0.005 0.016 0.014 0.007	Water	%	ASTM D6304	>0.01	0.001	0.001	0.010
Particles >4μm ASTM D7647 205 166 17696 Particles >6μm ASTM D7647 >2500 52 56 2376 Particles >14μm ASTM D7647 >320 8 6 32 Particles >21μm ASTM D7647 >80 2 1 7 Particles >21μm ASTM D7647 >80 2 1 7 Particles >38μm ASTM D7647 >20 0 0 1 Particles >71μm ASTM D7647 >4 0 0 0 Oli Cleanliness ISO 4406 (c) >/18/15 15/13/10 15/13/10 21/18/12 FLUID DEGRADATION method limit/base current history1 history2 Acid Number (AN) mg KOH/g ASTM D974 0.005 0.016 0.014 0.007	ppm Water	ppm	ASTM D6304	>100	10.1	13.8	1 00
Particles >6µm ASTM D7647 >2500 52 56 2376 Particles >14µm ASTM D7647 >320 8 6 32 Particles >21µm ASTM D7647 >80 2 1 7 Particles >38µm ASTM D7647 >20 0 0 1 Particles >38µm ASTM D7647 >20 0 0 1 Particles >71µm ASTM D7647 >4 0 0 0 Oil Cleanliness ISO 4406 (c) >/18/15 15/13/10 15/13/10 21/18/12 FLUID DEGRADATION method limit/base current history1 history2 Acid Number (AN) mg KOH/g ASTM D974 0.005 0.016 0.014 0.007	FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >14µm ASTM D7647 >320 8 6 32 Particles >21µm ASTM D7647 >80 2 1 7 Particles >38µm ASTM D7647 >20 0 0 1 Particles >71µm ASTM D7647 >4 0 0 0 Oil Cleanliness ISO 4406 (c) >/18/15 15/13/10 15/13/10 21/18/12 FLUID DEGRADATION method limit/base current history1 history2 Acid Number (AN) mg KOH/g ASTM D974 0.005 0.016 0.014 0.007	Particles >4µm		ASTM D7647		205	166	17696
Particles >21μm ASTM D7647 >80 2 1 7 Particles >38μm ASTM D7647 >20 0 0 1 Particles >38μm ASTM D7647 >20 0 0 1 Particles >71μm ASTM D7647 >4 0 0 0 Oil Cleanliness ISO 4406 (c) >/18/15 15/13/10 15/13/10 21/18/12 FLUID DEGRADATION method limit/base current history1 history2 Acid Number (AN) mg KOH/g ASTM D974 0.005 0.016 0.014 0.007	Particles >6µm		ASTM D7647	>2500	52	56	2376
Particles >38μm ASTM D7647 >20 0 0 1 Particles >71μm ASTM D7647 >4 0 0 0 0 Oil Cleanliness ISO 4406 (c) >/18/15 15/13/10 15/13/10 21/18/12 FLUID DEGRADATION method limit/base current history1 history2 Acid Number (AN) mg KOH/g ASTM D974 0.005 0.016 0.014 0.007	Particles >14µm		ASTM D7647	>320	8	6	32
Particles >71µm ASTM D7647 >4 0 0 0 Oil Cleanliness ISO 4406 (c) >/18/15 15/13/10 15/13/10 21/18/12 FLUID DEGRADATION method limit/base current history1 history2 Acid Number (AN) mg KOH/g ASTM D974 0.005 0.016 0.014 0.007	Particles >21µm		ASTM D7647	>80	2	1	7
Oil Cleanliness ISO 4406 (c) >/18/15 15/13/10 15/13/10 21/18/12 FLUID DEGRADATION method limit/base current history1 history2 Acid Number (AN) mg KOH/g ASTM D974 0.005 0.016 0.014 0.007	Particles >38µm		ASTM D7647	>20	0	0	1
FLUID DEGRADATION method limit/base current history1 history2 Acid Number (AN) mg KOH/g ASTM D974 0.005 0.016 0.014 0.007	Particles >71µm		ASTM D7647	>4	0	0	0
Acid Number (AN) mg KOH/g ASTM D974 0.005 0.016 0.014 0.007	Oil Cleanliness		ISO 4406 (c)	>/18/15	15/13/10	15/13/10	21/18/12
	FLUID DEGRADA	TION	method	limit/base	current	history1	history2
	()	mg KOH/g	ASTM D974	0.005			

Report Id: TYSRUS [WUSCAR] 05996317 (Generated: 11/06/2023 20:38:11) Rev: 1

Contact/Location: JERE WHITE - TYSRUS



Water (KF)

800

100

n

75

70

cSt (40°C)

60

55

50

Ê 40

· 301

5 20

10

Ab

Jov29/

Seve 200

OIL ANALYSIS REPORT

scalar

scalar

scalar

scalar

scalar

scalar

scalar

scalar

*Visual

*Visual

*Visual

*Visual

*Visual

*Visual

*Visual

*Visual

scalar *Visual

scalar *Visual

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

>0.01

White Metal

Yellow Metal

Precipitate

Silt

Debris

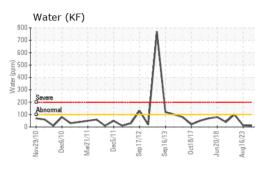
Odor

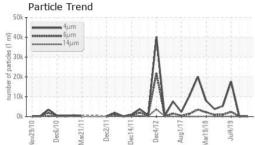
Sand/Dirt

Appearance

Free Water

Emulsified Water









NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

NEG

NEG

65.0

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

NEG

NEG

62.9

NONE

NONE

NONE

NONE

NONE

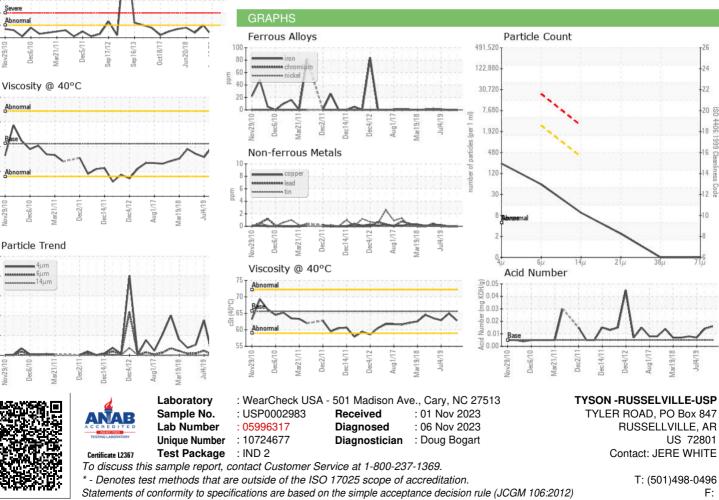
NONE

NORML

NORML

NEG

NEG



Contact/Location: JERE WHITE - TYSRUS