

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

L-4 1ST C-8673 (S/N 5599261) Pump

Fluid USPI VAC 100 (--- GAL)

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

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

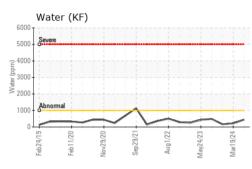
Fluid Condition

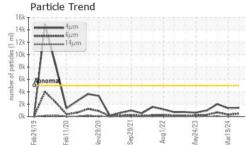
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

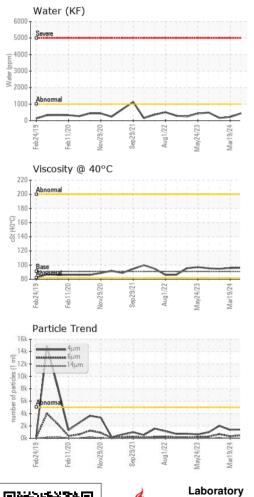
Sample Date Client Info 24 Jun 2024 19 Mar 2024 24 Dec 2023 Machine Age hrs Client Info 0 0 0 Oil Age hrs Client Info 0 0 0 Oil Changed Client Info N/A N/A N/A N/A Sample Status method imit/base current history1 history2 Iron ppm ASTM 05185m >90 0 12 12 Chromium ppm ASTM 05185m >5 0 0 0 Nickel ppm ASTM 05185m >3 0 0 0 Barinum ppm ASTM 05185m >3 0 0 0 Copper ppm ASTM 05185m >30 0 0 0 Vanadum ppm ASTM 05185m >30 0 0 0 Copper ppm ASTM 05185m >30 0 0 0 Vanadum	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Machine Age hrs Client Info 0 0 0 Oil Age hrs Client Info 0 0 0 Oil Age hrs Client Info N/A N/A N/A Sample Status Imit/base current history1 history2 Iron ppm ASTM D5185m >5 0 0 0 Nickel ppm ASTM D5185m >5 0 0 0 Silver ppm ASTM D5185m >3 0 0 0 Copper ppm ASTM D5185m >3 0 0 0 Cadmium ppm ASTM D5185m >3 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 Rarium ppm A	Sample Number		Client Info		USPM37852	USPM36882	USPM31610
Oil Age Ins Client Info 0 0 0 Oil Changed Client Info N/A N/A N/A N/A Sample Status method imit/base current history1 history2 Iron ppm ASTM D5185m >5 0 0 0 Nickel ppm ASTM D5185m >5 0 0 0 Nickel ppm ASTM D5185m >5 0 0 0 Aluminum ppm ASTM D5185m >7 0 0 0 Copper ppm ASTM D5185m >7 0 0 0 Adaminum ppm ASTM D5185m >30 0 <1 0 Vanadium ppm ASTM D5185m 9 0 <1 0 Cadmium ppm ASTM D5185m 0 0 0 0 Adaminum ppm ASTM D5185m 0 0 0 0	Sample Date		Client Info		24 Jun 2024	19 Mar 2024	24 Dec 2023
Oli Changed Sample Status Client Info N/A N/A N/A N/A WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >5 0 0 0 Chromium ppm ASTM D5185m >5 0 0 0 Nickel ppm ASTM D5185m >3 0 0 0 Silver ppm ASTM D5185m >7 0 0 0 Lead ppm ASTM D5185m >7 0 0 0 Cadmium ppm ASTM D5185m >30 0 <1 0 Vanadium ppm ASTM D5185m 0 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 Roron ppm ASTM D5185m 0 0 0 0 ASTM D5185m 0 0 0 <1 1 1 <th>Machine Age</th> <th>hrs</th> <th>Client Info</th> <th></th> <th>0</th> <th>0</th> <th>0</th>	Machine Age	hrs	Client Info		0	0	0
Sample Status NORMAL NORMAL NORMAL NORMAL NORMAL WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >50 0 0 0 Nickel ppm ASTM D5185m >5 0 0 0 Nickel ppm ASTM D5185m >3 0 0 0 Aluminum ppm ASTM D5185m >3 0 0 0 Lead ppm ASTM D5185m >12 0 0 0 Copper ppm ASTM D5185m >9 0 <1 0 Cadmium ppm ASTM D5185m 0 0 0 0 ADDITVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 0 0 0 Addium ppm ASTM D5185m 0 0 <1 1	Oil Age	hrs	Client Info		0	0	0
WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >90 0 12 12 Chromium ppm ASTM D5185m >5 0 0 0 Nickel ppm ASTM D5185m >3 0 0 0 Silver ppm ASTM D5185m >3 0 0 0 Aluminum ppm ASTM D5185m >3 0 0 0 Lead ppm ASTM D5185m >12 0 0 0 Copper ppm ASTM D5185m 9 0 <1 0 Vanadium ppm ASTM D5185m 0 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 Manganese ppm ASTM D5185m 0 0 0 0 Maganese ppm ASTM D5185m 0 0 0 0	Oil Changed		Client Info		N/A	N/A	N/A
Iron ppm ASTM D5185m >90 0 12 12 Chromium ppm ASTM D5185m >5 0 0 0 Nickel ppm ASTM D5185m >5 0 0 0 Silver ppm ASTM D5185m >3 0 0 0 Auminum ppm ASTM D5185m >7 0 0 0 Copper ppm ASTM D5185m >7 0 0 0 Copper ppm ASTM D5185m >9 0 <1	Sample Status				NORMAL	NORMAL	NORMAL
Chromium ppm ASTM D5185m >5 0 0 0 Nickel ppm ASTM D5185m >5 0 0 0 Silver ppm ASTM D5185m >3 0 0 0 Silver ppm ASTM D5185m >3 0 0 0 Lead ppm ASTM D5185m >7 0 0 0 Lead ppm ASTM D5185m >9 0 <1 0 Vanadium ppm ASTM D5185m >9 0 <1 0 Vanadium ppm ASTM D5185m 0 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 Boron ppm ASTM D5185m 0 0 0 0 0 Calcium ppm ASTM D5185m 0 0 0 0 0 Calcium ppm ASTM D5185m 0 1	WEAR METALS		method	limit/base	current	history1	history2
Nickel ppm ASTM D5185m >5 0 0 0 Titanium ppm ASTM D5185m >3 0 0 0 Silver ppm ASTM D5185m >7 0 0 0 Aluminum ppm ASTM D5185m >7 0 0 0 Lead ppm ASTM D5185m >7 0 0 0 Copper ppm ASTM D5185m >9 0 <1 0 Vanadium ppm ASTM D5185m 0 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 Boron ppm ASTM D5185m 0 0 0 0 0 Barium ppm ASTM D5185m 0 0 0 0 1 1 1 Phosphorus ppm ASTM D5185m 0 0 0 0 0 0 Sulfur ppm	Iron	ppm	ASTM D5185m	>90	0	12	12
Titanium ppm ASTM D5185m >3 0 0 0 Silver ppm ASTM D5185m >3 0 0 0 Aluminum ppm ASTM D5185m >7 0 0 0 Lead ppm ASTM D5185m >7 0 0 0 Copper ppm ASTM D5185m >9 0 <1 0 Tin ppm ASTM D5185m >9 0 <1 0 Vanadium ppm ASTM D5185m 0 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 Boron ppm ASTM D5185m 0 0 0 0 Maganese ppm ASTM D5185m 0 0 0 0 Maganese ppm ASTM D5185m 0 0 0 0 Solutin ppm ASTM D5185m 0 1 1 1	Chromium	ppm	ASTM D5185m	>5	0	0	0
Silver ppm ASTM D5185m >3 0 0 0 Aluminum ppm ASTM D5185m >7 0 0 0 Lead ppm ASTM D5185m >12 0 0 0 Copper ppm ASTM D5185m >9 0 <1 0 Vanadium ppm ASTM D5185m 9 0 <1 0 Vanadium ppm ASTM D5185m 0 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 0 ASTM D5185m 0 0 0 0 0 0 0 Magnesium ppm ASTM D5185m 0 0 0 <1 <1 1 Phosphorus ppm ASTM D5185m 0 0 0 0 0 0 Sulfur ppm ASTM D5185m 0 191 188 174 1 1 1	Nickel	ppm	ASTM D5185m	>5	0	0	0
Aluminum ppm ASTM D5185m >7 0 0 0 Lead ppm ASTM D5185m >12 0 0 0 Copper ppm ASTM D5185m >30 0 <1 0 Tin ppm ASTM D5185m >9 0 <1 0 Cadmium ppm ASTM D5185m 0 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 Boron ppm ASTM D5185m 0 0 0 0 0 Barium ppm ASTM D5185m 0 0 0 0 0 Magnese ppm ASTM D5185m 0 0 0 0 1463 14131 Zinc ppm ASTM D5185m 1800 1496 1463 1431 Zinc ppm ASTM D5185m 1800 1496 1463 1421 Silion ppm ASTM D518	Titanium	ppm	ASTM D5185m	>3	0	0	0
Lead ppm ASTM D5185m >12 0 0 0 Copper ppm ASTM D5185m >30 0 <1 0 Tin ppm ASTM D5185m >9 0 <1 0 Vanadium ppm ASTM D5185m 0 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 0 Boron ppm ASTM D5185m 0 0 0 0 0 Manganese ppm ASTM D5185m 0 0 0 0 0 Magnese ppm ASTM D5185m 0 0 0 0 0 Magnese ppm ASTM D5185m 0 0 0 0 0 0 Calcium ppm ASTM D5185m 0 191 188 174 Zhosphorus ppm ASTM D5185m 0 191 183 174 CONTAMINANTS	Silver	ppm	ASTM D5185m	>3	0	0	0
Copper ppm ASTM D5185m >30 0 <1	Aluminum		ASTM D5185m	>7	0	0	0
Copper ppm ASTM D5185m >30 0 <1	Lead		ASTM D5185m	>12	0	0	0
Tin ppm ASTM D5185m >9 0 <1	Copper					<1	0
Vanadium ppm ASTM D5185m 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 0 0 0 0 Barium ppm ASTM D5185m 0 0 0 0 0 Molybdenum ppm ASTM D5185m 0 0 0 0 0 Magnessium ppm ASTM D5185m 0 <1			ASTM D5185m	>9		<1	0
Cadmium ppm ASTM D5185m 0 0 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 0 0 0 Barium ppm ASTM D5185m 0 0 0 0 Manganese ppm ASTM D5185m 0 0 0 0 Manganese ppm ASTM D5185m 0 0 0 0 Calcium ppm ASTM D5185m 0 0 0 0 0 Calcium ppm ASTM D5185m 0 21 <1 1431 Zinc ppm ASTM D5185m 0 0 0 0 Sulfur ppm ASTM D5185m 0 191 188 174 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >60 1 <	Vanadium				-		0
Boron ppm ASTM D5185m 0 0 0 0 0 Barium ppm ASTM D5185m 0 0 0 0 Molybdenum ppm ASTM D5185m 0 0 0 0 Manganese ppm ASTM D5185m 0 0 <1 0 Magnesium ppm ASTM D5185m 0 <1 <1 <1 Calcium ppm ASTM D5185m 0 <1 <1 <1 <1 Phosphorus ppm ASTM D5185m 0 1496 1463 1431 Zinc ppm ASTM D5185m 0 0 0 0 Sulfur ppm ASTM D5185m 0 191 188 174 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >20 1 0 0 Vater %6 ASTM D5185m >20 <th>Cadmium</th> <th></th> <th></th> <th></th> <th>0</th> <th>0</th> <th></th>	Cadmium				0	0	
Barium ppm ASTM D5185m 0 0 0 0 0 0 Molybdenum ppm ASTM D5185m 0 0 0 0 0 Maganese ppm ASTM D5185m 0 0 0 <1 0 Magnesium ppm ASTM D5185m 0 0 1 <1 <1 Calcium ppm ASTM D5185m 0 <1 <1 <1 <1 Phosphorus ppm ASTM D5185m 0 1496 1463 1431 Zinc ppm ASTM D5185m 0 0 0 0 Sulfur ppm ASTM D5185m 0 191 188 174 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >60 1 2 1 Sodium ppm ASTM D5185m <20 1 0 0 Po	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum ppm ASTM D5185m 0 0 0 0 Manganese ppm ASTM D5185m 0 0 <1 0 Magnesium ppm ASTM D5185m 0 0 0 <1 <1 Calcium ppm ASTM D5185m 0 <1 <1 <1 Phosphorus ppm ASTM D5185m 0 1496 1463 1431 Zinc ppm ASTM D5185m 0 0 0 0 0 Sulfur ppm ASTM D5185m 0 191 188 174 CONTAMINANTS method imit/base current history1 history2 Silicon ppm ASTM D5185m <60 1 2 1 Sodium ppm ASTM D5185m <20 1 0 0 Vater % ASTM D6304 >.1 0.043 0.021 0.016 pm Water pm ASTM D7647	Boron	ppm	ASTM D5185m	0	0	0	0
Manganese ppm ASTM D5185m 0 <1	Barium	ppm	ASTM D5185m	0	0	0	0
Magnesium ppm ASTM D5185m 0 1 Calcium ppm ASTM D5185m 0 <1 <1 <1 Phosphorus ppm ASTM D5185m 1800 1496 1463 1431 Zinc ppm ASTM D5185m 0 0 0 0 Sulfur ppm ASTM D5185m 0 191 188 174 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >60 1 2 1 Sodium ppm ASTM D5185m >60 1 2 0 Potassium ppm ASTM D5185m >20 1 0 0 Water % ASTM D6304 >.1 0.043 0.021 0.016 ppm Water ppm ASTM D7647 >5000 1418 1333 2010 Particles >4µm ASTM D7647 >160	Molybdenum	ppm	ASTM D5185m	0	0	0	0
Calcium ppm ASTM D5185m 0 <1	Manganese	ppm	ASTM D5185m		0	<1	0
Phosphorus ppm ASTM D5185m 1800 1496 1463 1431 Zinc ppm ASTM D5185m 0 0 0 0 0 Sulfur ppm ASTM D5185m 0 191 188 174 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >60 1 2 1 Sodium ppm ASTM D5185m >60 1 2 1 Sodium ppm ASTM D5185m >20 1 0 0 Potassium ppm ASTM D5185m >20 1 0.043 0.021 0.016 ppm Water pp ASTM D6304 >1000 440 216 165 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >5000 1418 1333 2010 Particles >14µm ASTM D7647	Magnesium	ppm	ASTM D5185m	0	0	0	<1
Zinc ppm ASTM D5185m 0 0 0 0 0 Sulfur ppm ASTM D5185m 0 191 188 174 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >60 1 2 1 Sodium ppm ASTM D5185m >60 1 2 0 Potassium ppm ASTM D5185m >20 1 0 0 Water % ASTM D5185m >20 1 0 0 Water % ASTM D5185m >20 1 0.021 0.016 ppm Water ppm ASTM D6304 >.1 0.043 0.021 0.016 particles >4µm ASTM D7647 >5000 1418 1333 2010 Particles >6µm ASTM D7647 >100 478 316 669 Particles >14µm ASTM D7647 >10 1 1 <th>Calcium</th> <th>ppm</th> <th>ASTM D5185m</th> <th>0</th> <th><1</th> <th><1</th> <th><1</th>	Calcium	ppm	ASTM D5185m	0	<1	<1	<1
Sulfur ppm ASTM D5185m 0 191 188 174 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >60 1 2 1 Sodium ppm ASTM D5185m >60 1 2 0 Potassium ppm ASTM D5185m >20 1 0 0 Water % ASTM D6304 >.1 0.043 0.021 0.016 ppm Water ppm ASTM D6304 >.1 0.043 0.021 0.016 ppm Water ppm ASTM D6304 >.1000 440 216 165 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >5000 1418 1333 2010 Particles >6µm ASTM D7647 >1300 478 316 669 Particles >21µm ASTM D7647 10 1	Phosphorus	ppm	ASTM D5185m	1800	1496	1463	1431
CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >60 1 2 1 Sodium ppm ASTM D5185m >60 1 2 0 Potassium ppm ASTM D5185m >20 1 0 0 Water % ASTM D50304 >.1 0.043 0.021 0.016 ppm Water ppm ASTM D6304 >.1 0.043 0.021 0.016 ppm Water ppm ASTM D6304 >.1000 440 216 165 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >5000 1418 1333 2010 Particles >6µm ASTM D7647 >1300 4778 316 669 Particles >14µm ASTM D7647 >10 1 1 2 Particles >38µm ASTM D7647 >3 0 1	Zinc	ppm	ASTM D5185m	0	0	0	0
Silicon ppm ASTM D5185m >60 1 2 1 Sodium ppm ASTM D5185m <1 2 0 Potassium ppm ASTM D5185m >20 1 0 0 Water % ASTM D6304 >.1 0.043 0.021 0.016 ppm Water ppm ASTM D6304 >.1000 440 216 165 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >5000 1418 1333 2010 Particles >6µm ASTM D7647 >1300 478 316 669 Particles >14µm ASTM D7647 >160 41 28 56 Particles >21µm ASTM D7647 >10 1 1 2 Particles >38µm ASTM D7647 >3 0 1 0 Oil Cleanliness ISO 4406 (c) >19/17/14 18/16/13 18/15/12 18/17/13	Sulfur	ppm	ASTM D5185m	0	191	188	174
Sodium ppm ASTM D5185m <1	CONTAMINANTS	;	method	limit/base	current	history1	history2
Potassium ppm ASTM D5185m >20 1 0 0 Water % ASTM D6304 >.1 0.043 0.021 0.016 ppm Water ppm ASTM D6304 >.1000 440 216 165 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >5000 1418 1333 2010 Particles >6µm ASTM D7647 >1300 478 316 669 Particles >14µm ASTM D7647 >160 41 28 56 Particles >21µm ASTM D7647 >40 6 100 12 Particles >38µm ASTM D7647 >10 1 2 2 Particles >71µm ASTM D7647 >3 0 1 0 Oil Cleanliness ISO 4406 (c) >19/17/14 18/16/13 18/15/12 18/17/13	Silicon	ppm	ASTM D5185m	>60	1	2	1
Water % ASTM D6304 >.1 0.043 0.021 0.016 ppm Water ppm ASTM D6304 >.1000 440 216 165 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >5000 1418 1333 2010 Particles >6µm ASTM D7647 >1300 478 316 669 Particles >14µm ASTM D7647 >160 41 28 56 Particles >21µm ASTM D7647 >40 6 10 12 Particles >38µm ASTM D7647 >10 1 2 2 Particles >71µm ASTM D7647 >3 0 1 0 Oil Cleanliness ISO 4406 (c) >19/17/14 18/16/13 18/15/12 18/17/13 FLUID DEGRADATION method limit/base current history1 history2	Sodium	ppm	ASTM D5185m		<1	2	0
ppm Water ppm ASTM D6304 >1000 440 216 165 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >5000 1418 1333 2010 Particles >6µm ASTM D7647 >1300 478 316 669 Particles >14µm ASTM D7647 >160 41 28 56 Particles >21µm ASTM D7647 >40 6 10 12 Particles >38µm ASTM D7647 >10 1 2 2 Particles >71µm ASTM D7647 >3 0 1 0 Oil Cleanliness ISO 4406 (c) >19/17/14 18/16/13 18/15/12 18/17/13 FLUID DEGRADATION method limit/base current history1 history2	Potassium	ppm	ASTM D5185m	>20	1	0	0
FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >5000 1418 1333 2010 Particles >6µm ASTM D7647 >1300 478 316 669 Particles >6µm ASTM D7647 >160 41 28 56 Particles >14µm ASTM D7647 >160 41 28 56 Particles >21µm ASTM D7647 >40 6 10 12 Particles >38µm ASTM D7647 >10 1 1 2 Particles >71µm ASTM D7647 >3 0 1 0 Oil Cleanliness ISO 4406 (c) >19/17/14 18/16/13 18/15/12 18/17/13 FLUID DEGRADATION method limit/base current history1 history2	Water	%	ASTM D6304	>.1	0.043	0.021	0.016
Particles >4µm ASTM D7647 >5000 1418 1333 2010 Particles >6µm ASTM D7647 >1300 478 316 669 Particles >14µm ASTM D7647 >160 41 28 56 Particles >21µm ASTM D7647 >40 6 10 12 Particles >21µm ASTM D7647 >10 1 2 Particles >38µm ASTM D7647 >30 0 1 2 Particles >71µm ASTM D7647 >3 0 1 9 Oil Cleanliness ISO 4406 (c) >19/17/14 18/16/13 18/15/12 18/17/13 FLUID DEGRADATION method limit/base current history1 history2	ppm Water	ppm	ASTM D6304	>1000	440	216	165
Particles >6µm ASTM D7647 >1300 478 316 669 Particles >14µm ASTM D7647 >160 41 28 56 Particles >21µm ASTM D7647 >40 6 10 12 Particles >38µm ASTM D7647 >10 1 1 2 Particles >38µm ASTM D7647 >3 0 1 0 Oil Cleanliness ISO 4406 (c) >19/17/14 18/16/13 18/15/12 18/17/13 FLUID DEGRADATION method limit/base current history1 history2	FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >14µm ASTM D7647 >160 41 28 56 Particles >21µm ASTM D7647 >40 6 10 12 Particles >38µm ASTM D7647 >10 1 1 2 Particles >38µm ASTM D7647 >3 0 1 0 Particles >71µm ASTM D7647 >3 0 1 0 Oil Cleanliness ISO 4406 (c) >19/17/14 18/16/13 18/15/12 18/17/13 FLUID DEGRADATION method limit/base current history1 history2	Particles >4µm						
Particles >21µm ASTM D7647 >40 6 10 12 Particles >38µm ASTM D7647 >10 1 1 2 Particles >71µm ASTM D7647 >3 0 1 0 Oil Cleanliness ISO 4406 (c) >19/17/14 18/16/13 18/15/12 18/17/13 FLUID DEGRADATION method limit/base current history1 history2	Particles >6µm		ASTM D7647	>1300	478	316	669
Particles >38μm ASTM D7647 >10 1 1 2 Particles >71μm ASTM D7647 >3 0 1 0 Oil Cleanliness ISO 4406 (c) >19/17/14 18/16/13 18/15/12 18/17/13 FLUID DEGRADATION method limit/base current history1 history2	Particles >14µm						
Particles >71μm ASTM D7647 >3 0 1 0 Oil Cleanliness ISO 4406 (c) >19/17/14 18/16/13 18/15/12 18/17/13 FLUID DEGRADATION method limit/base current history1 history2	Particles >21µm		ASTM D7647		6	10	12
Oil Cleanliness ISO 4406 (c) >19/17/14 18/16/13 18/15/12 18/17/13 FLUID DEGRADATION method limit/base current history1 history2	Particles >38µm		ASTM D7647	>10		1	
FLUID DEGRADATION method limit/base current history1 history2	Particles >71µm		ASTM D7647	>3	0	1	0
	Oil Cleanliness		ISO 4406 (c)	>19/17/14	18/16/13	18/15/12	18/17/13
Acid Number (AN) mg KOH/g ASTM D8045 0.05 0.14 0.12	FLUID DEGRADA	TION	method	limit/base	current	history1	history2
	Acid Number (AN)	mg KOH/g	ASTM D8045	0.05	0.14	0.14	0.12



OIL ANALYSIS REPORT

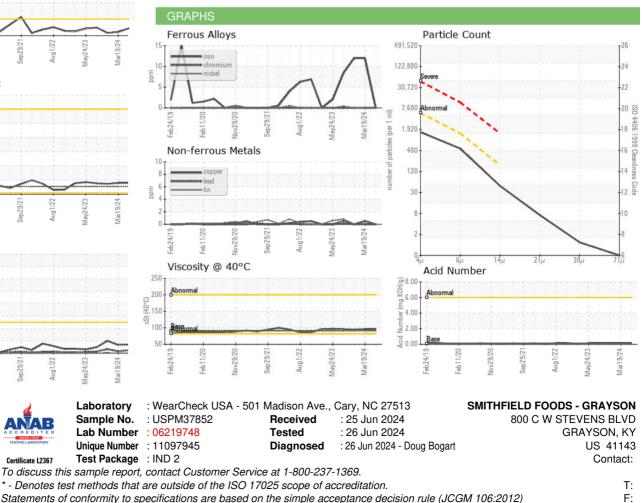






Sä

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	>.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	91	96.1	95.8	94.8
SAMPLE IMAGES	6	method	limit/base	current	history1	history2
Color				Vacuum • Se March 00 11. Staff of March 10 March		
Bottom						



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

Report Id: SMIGRAKY [WUSCAR] 06219748 (Generated: 06/30/2024 15:57:49) Rev: 1

Contact/Location: ? ? - SMIGRAKY