

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

Machine Id WC-9960-0101-5 Chiller #1

Component Chiller

YORK TYPE K (--- GAL)

DIAGNOSIS

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.

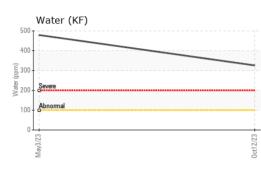
Fluid Condition

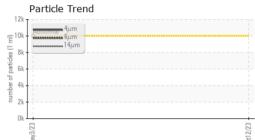
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

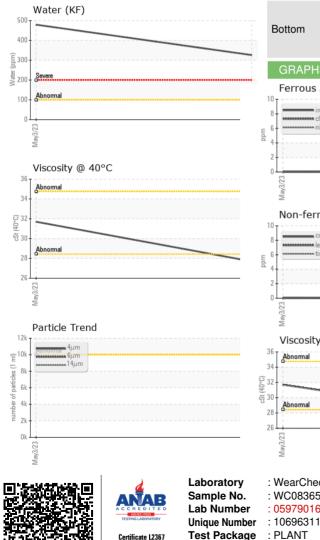
Sample Number Client Info VC0838510 VC0784784 Sample Date Client Info 12 Oct 2023 03 May 2023 Oil Age hrs Client Info 0 04241 Oil Age hrs Client Info N/A N/A Oil Changed Client Info N/A N/A WEAR METALS method Imil/base tmain WEAR METALS method Imil/base 0 0 Chromium ppm ASTM 05155n >2 0 0 Silver ppm ASTM 05155n >2 0 0 Copper ppm ASTM 05155n >2 0 0 Cadmium ppm ASTM 05155n >2 0 0 Cadmium ppm ASTM 05155n >4 <-1 0 Manganese ppm ASTM 05155n 0	SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Machine Age hrs Client Info 0 48241 Oil Ghanged Client Info 0 0 Sample Status Imitod N/A N/A WEAR METALS method Imit/base current historyt historyt Iron ppm ASTM D5185m >8 0 0 Nickel ppm ASTM D5185m >2 0 0 Titanium ppm ASTM D5185m >2 0 0 Silver ppm ASTM D5185m >2 0 0 Lead ppm ASTM D5185m >2 0 0 Copper ppm ASTM D5185m >4 <1 0 Cadmium ppm ASTM D5185m 0 0 Magaeese ppm ASTM D5185m 0 0 Magaeese ppm <td>Sample Number</td> <td></td> <td>Client Info</td> <td></td> <th>WC0836510</th> <td>WC0784784</td> <td></td>	Sample Number		Client Info		WC0836510	WC0784784	
Oil Age hrs Client Info 0 0 Oil Changed Client Info N/A N/A N/A Sample Status o Imit/Dase current history1 history2 Iron ppm ASTM D5165m >8 0 0 Nickel ppm ASTM D5165m >2 0 0 Nickel ppm ASTM D5165m >2 0 0 Aluminum ppm ASTM D5165m >2 0 0 Aluminum ppm ASTM D5165m >2 0 0 Aduminum ppm ASTM D5165m >2 0 0 Age 1 0 Age 0 0 Age 0 0	Sample Date		Client Info		12 Oct 2023	03 May 2023	
Oil Changed Client Info N/A N/A N/A Sample Status Image of the status Image of the status Image of the status Image of the status WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >8 0 0 Ohromium ppm ASTM D5185m >2 0 0 Nickel ppm ASTM D5185m >2 0 0 Aluminum ppm ASTM D5185m >2 0 0 Aduminum ppm ASTM D5185m >2 0 0 Vanadium ppm ASTM D5185m >4 <1 0 Vanadium ppm ASTM D5185m 0 0 Adminum ppm ASTM D5185m 0 0 Vanadium ppm ASTM D5185m 0	Machine Age	hrs	Client Info		0	48241	
Sample Status Initial method NORMAL NORMAL WEAR METALS method imit/base current history1 history2 Iron ppm ASTM D5185m >8 0 0 Nickel ppm ASTM D5185m >2 0 0 Silver ppm ASTM D5185m >2 0 0 Aluminum ppm ASTM D5185m >2 0 0 Aluminum ppm ASTM D5185m >2 0 0 Copper ppm ASTM D5185m >2 0 0 Cadmium ppm ASTM D5185m >4 <1 0 ADDITIVES method imit/base current history1 history2 Boron ppm ASTM D5185m 0 0 Magneseum ppm ASTM D5185m 0 0	Oil Age	hrs	Client Info		0	0	
WEAR METALS method imit/base current history1 history2 Iron ppm ASTM D5185m >8 0 0 Nickel ppm ASTM D5185m 0 0 Nickel ppm ASTM D5185m 0 0 Silver ppm ASTM D5185m >2 0 0 Aluminum ppm ASTM D5185m >2 0 0 Lead ppm ASTM D5185m >2 0 0 Copper ppm ASTM D5185m >2 0 0 Vanadium ppm ASTM D5185m 8 0 0 Cadmium ppm ASTM D5185m 0 0 Manganese ppm ASTM D5185m 0 0 Magnesium ppm ASTM D5185m 0 0	Oil Changed		Client Info		N/A	N/A	
Iron ppm ASTM D5185m >8 0 0 Nickel ppm ASTM D5185m 0 0 Nickel ppm ASTM D5185m 0 0 Nickel ppm ASTM D5185m 2 0 0 Aluminum ppm ASTM D5185m >2 0 0 Aluminum ppm ASTM D5185m >2 0 0 Aluminum ppm ASTM D5185m >2 0 0 Copper ppm ASTM D5185m 2 0 0 Vanadium ppm ASTM D5185m 0 0 ADDITIVES method imit/base current history1 history2 Boron ppm ASTM D5185m 0 0 Magnessium ppm ASTM D5185m <1 0	Sample Status				NORMAL	NORMAL	
Dromium ppm ASTM D5185m >2 0 0	WEAR METALS		method	limit/base	current	history1	history2
Nickel ppm ASTM D5185m 0 0 Titanium ppm ASTM D5185m >2 0 0 Silver ppm ASTM D5185m >2 0 0 Aluminum ppm ASTM D5185m >2 0 0 Copper ppm ASTM D5185m >3 0 0 Copper ppm ASTM D5185m >4 <1 0 Vanadium ppm ASTM D5185m 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 0	Iron	ppm	ASTM D5185m	>8	0	0	
Titanium ppm ASTM D5185m 0 0 Silver ppm ASTM D5185m >2 0 0 Aluminum ppm ASTM D5185m >3 0 6 Lead ppm ASTM D5185m >2 0 0 Copper ppm ASTM D5185m >2 0 0 Vanadium ppm ASTM D5185m >4 <1 0 Vanadium ppm ASTM D5185m 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 0 Maganese ppm ASTM D5185m 0 0 Maganese ppm ASTM D5185m <1 0 Calcium ppm ASTM D5185m <1 0 Sulfur ppm	Chromium	ppm	ASTM D5185m	>2	0	0	
Silver ppm ASTM D5185m >2 0 0 Aluminum ppm ASTM D5185m >3 0 6 Lead ppm ASTM D5185m >2 0 0 Copper ppm ASTM D5185m >8 0 0 Vanadium ppm ASTM D5185m >8 0 0 Cadmium ppm ASTM D5185m 0 0 Cadmium ppm ASTM D5185m 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 0 Magnesium ppm ASTM D5185m 0 2 Calcium ppm ASTM D5185m <1 0 Sulfur ppm ASTM D5185m <1 0	Nickel	ppm	ASTM D5185m		0	0	
Atuminum ppm ASTM D5185m >3 0 6 Lead ppm ASTM D5185m >2 0 0 Copper ppm ASTM D5185m >8 0 0 Tin ppm ASTM D5185m >4 <1 0 Cadmium ppm ASTM D5185m 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 0 Molybdenum ppm ASTM D5185m 0 0 Magnesium ppm ASTM D5185m 0 0 Zinc ppm ASTM D5185m 0 0 Sulfur ppm ASTM D5185m 1 <1 Sulfur ppm ASTM D5185m 20 0 </th <td>Titanium</td> <td>ppm</td> <td>ASTM D5185m</td> <td></td> <th>0</th> <td>0</td> <td></td>	Titanium	ppm	ASTM D5185m		0	0	
Lead ppm ASTM D5185m >2 0 0 Copper ppm ASTM D5185m >8 0 0 Yanadium ppm ASTM D5185m >4 <1 0 Vanadium ppm ASTM D5185m >4 <1 0 Cadmium ppm ASTM D5185m 0 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 0 Malganese ppm ASTM D5185m 0 0 Magnesium ppm ASTM D5185m 0 0 Calcium ppm ASTM D5185m 0 0 Sulfur ppm ASTM D5185m 6 0 Sulfur ppm ASTM D5185m 1 Sulfur ppm ASTM D51	Silver	ppm	ASTM D5185m	>2	0	0	
Copper ppm ASTM D5185m >8 0 0 Tin ppm ASTM D5185m >4 <1 0 Vanadium ppm ASTM D5185m 0 0 Cadmium ppm ASTM D5185m 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 0 Barium ppm ASTM D5185m 0 0 Molybdenum ppm ASTM D5185m 0 0 Magnesse ppm ASTM D5185m 0 2 Qalcium ppm ASTM D5185m 1 0 Sulfur ppm ASTM D5185m 6 0 Sulfur ppm ASTM D5185m 15 8 7	Aluminum	ppm	ASTM D5185m	>3	0	6	
Copper ppm ASTM D5185m >8 0 0 Tin ppm ASTM D5185m >4 <1 0 Vanadium ppm ASTM D5185m 0 0 Cadmium ppm ASTM D5185m 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 0 Molybdenum ppm ASTM D5185m 0 0 Magnesium ppm ASTM D5185m 0 0 Calcium ppm ASTM D5185m 0 2 Sulfur ppm ASTM D5185m 6 0 Sulfur ppm ASTM D5185m 1 0 Sulfur ppm ASTM D5185m >15 8	Lead	ppm	ASTM D5185m	>2	0	0	
Tin ppm ASTM D5185m >4 <1	Copper		ASTM D5185m	>8	0	0	
Vanadium ppm ASTM D5185m 0 0 Cadmium ppm ASTM D5185m 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 0 Barium ppm ASTM D5185m 0 0 Manganese ppm ASTM D5185m 0 0 Magnesium ppm ASTM D5185m 0 2 Calcium ppm ASTM D5185m 0 0 Magnesium ppm ASTM D5185m 0 0 Calcium ppm ASTM D5185m 6 0 Sulfur ppm ASTM D5185m 6 0 Sodium ppm ASTM D5185m <8			ASTM D5185m	>4	<1	0	
Cadmium ppm ASTM D5185m 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 0 Barium ppm ASTM D5185m 0 0 Molybdenum ppm ASTM D5185m 0 0 Manganese ppm ASTM D5185m 0 2 Magnesium ppm ASTM D5185m 0 2 Calcium ppm ASTM D5185m 1 0 Calcium ppm ASTM D5185m <1	Vanadium		ASTM D5185m			0	
Boron ppm ASTM D5185m 0 0 Barium ppm ASTM D5185m 0 0 Molybdenum ppm ASTM D5185m 0 0 Magnese ppm ASTM D5185m 0 2 Magnesium ppm ASTM D5185m 0 2 Calcium ppm ASTM D5185m 0 0 Calcium ppm ASTM D5185m <1 0 Zinc ppm ASTM D5185m <1 0 Sulfur ppm ASTM D5185m <6 0 Sulfur ppm ASTM D5185m >15 8 7 Sodium ppm ASTM D5185m >15 8 7 Sulfur ppm ASTM D5185m >20 0 2 Sulfur ppm ASTM D5185m >20 0 <td< th=""><td>Cadmium</td><td>ppm</td><td>ASTM D5185m</td><td></td><th>0</th><td>0</td><td></td></td<>	Cadmium	ppm	ASTM D5185m		0	0	
Barium ppm ASTM D5185m 0 Molybdenum ppm ASTM D5185m 0 0 Manganese ppm ASTM D5185m 0 2 Magnesium ppm ASTM D5185m 0 2 Calcium ppm ASTM D5185m 0 2 Calcium ppm ASTM D5185m 0 0 Phosphorus ppm ASTM D5185m <1 <1 Sulfur ppm ASTM D5185m 0 0 Sulfur ppm ASTM D5185m 5 8 7 Sulfur ppm ASTM D5185m >15 8 7	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum ppm ASTM D5185m 0 Manganese ppm ASTM D5185m 0 2 Magnesium ppm ASTM D5185m 0 2 Calcium ppm ASTM D5185m 0 2 Calcium ppm ASTM D5185m <1 0 Phosphorus ppm ASTM D5185m <1 <1 Zinc ppm ASTM D5185m <0 0 Sulfur ppm ASTM D5185m <6 0 Sulfur ppm ASTM D5185m <6 0 Sodium ppm ASTM D5185m <7 Sodium ppm ASTM D5185m <1 0 Vater % ASTM D5185m <20 0 2 Water pm ASTM D5185m <20 0 0.047 part	Boron	ppm	ASTM D5185m		0	0	
Manganese ppm ASTM D5185m <1	Barium	ppm	ASTM D5185m		0	0	
Manganese ppm ASTM D5185m <1	Molybdenum	ppm	ASTM D5185m		0	0	
Calcium ppm ASTM D5185m 1 0 Phosphorus ppm ASTM D5185m <1 <1 Zinc ppm ASTM D5185m 0 0 Sulfur ppm ASTM D5185m 0 0 Sulfur ppm ASTM D5185m 6 0 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >15 8 7 Sodium ppm ASTM D5185m >20 0 2 Potassium ppm ASTM D5185m >20 0 2 Water % ASTM D6304 >0.01 0.032 0.047 ppm Water ppm ASTM D6304 >100 325.8 479.2 Particles >4µm ASTM D7647 >10000 615 Particles >6µm	Manganese	ppm	ASTM D5185m		<1	0	
Phosphorus ppm ASTM D5185m <1	Magnesium	ppm	ASTM D5185m		0	2	
Zinc ppm ASTM D5185m 0 0 Sulfur ppm ASTM D5185m 6 0 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >15 8 7 Sodium ppm ASTM D5185m >15 8 7 Potassium ppm ASTM D5185m >20 0 2 Water % ASTM D6304 >0.01 0.032 0.047 ppm Water ppm ASTM D6304 >100 325.8 479.2 Particles >4µm ASTM D7647 >10000 615 Particles >6µm ASTM D7647 >2500 143 Particles >6µm ASTM D7647 >320 16 Particles >1µm ASTM D7647 >20 0	Calcium	ppm	ASTM D5185m		1	0	
Sulfur ppm ASTM D5185m 6 0 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >15 8 7 Sodium ppm ASTM D5185m >15 8 7 Potassium ppm ASTM D5185m >20 0 2 Vater % ASTM D6304 >0.01 0.032 0.047 ppm Water ppm ASTM D6304 >100 325.8 479.2 Particles >4µm ASTM D7647 >10000 615 Particles >4µm ASTM D7647 >2500 143 Particles >6µm ASTM D7647 >320 16 Particles >1µm ASTM D7647 >20 0 Particles >38µm ASTM D7647 >20 0	Phosphorus	ppm	ASTM D5185m		<1	<1	
CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >15 8 7 Sodium ppm ASTM D5185m >15 8 7 Potassium ppm ASTM D5185m >20 0 2 Water % ASTM D50804 >0.01 0.032 0.047 ppm Water ppm ASTM D6304 >100 325.8 479.2 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >10000 615 Particles >6µm ASTM D7647 >2500 143 Particles >14µm ASTM D7647 >320 16 Particles >21µm ASTM D7647 >20 0 Particles >38µm ASTM D7647 >20 0 <td></td> <td>ppm</td> <td>ASTM D5185m</td> <td></td> <th>0</th> <td>0</td> <td></td>		ppm	ASTM D5185m		0	0	
Silicon ppm ASTM D5185m >15 8 7 Sodium ppm ASTM D5185m <1 0 Potassium ppm ASTM D5185m >20 0 2 Water % ASTM D6304 >0.01 0.032 0.047 pm Water pm ASTM D6304 >100 325.8 479.2 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >10000 615 Particles >6µm ASTM D7647 >2500 143 Particles >6µm ASTM D7647 >320 16 Particles >14µm ASTM D7647 >80 6 Particles >38µm ASTM D7647 >20 0 Particles >71µm ASTM D7647 >4 0 Oil Cleanliness ISO 4406 (c) >20/18/15 16/14/11	Sulfur	ppm	ASTM D5185m		6	0	
Sodium ppm ASTM D5185m <1	CONTAMINANTS		method	limit/base	current	history1	history2
Potassium ppm ASTM D5185m >20 0 2 Water % ASTM D6304 >0.01 0.032 0.047 ppm Water ppm ASTM D6304 >100 325.8 479.2 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >10000 615 Particles >6µm ASTM D7647 >2500 143 Particles >14µm ASTM D7647 >320 16 Particles >21µm ASTM D7647 >80 6 Particles >38µm ASTM D7647 >20 0 Particles >71µm ASTM D7647 >4 0 Oil Cleanliness ISO 4406 (c) >20/18/15 16/14/11 FLUID DEGRADATION method limit/base current history1 hist	Silicon	ppm	ASTM D5185m	>15	8		
Water % ASTM D6304 >0.01 0.032 0.047 ppm Water ppm ASTM D6304 >100 325.8 479.2 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >1000 615 Particles >6µm ASTM D7647 >2500 143 Particles >6µm ASTM D7647 >320 16 Particles >14µm ASTM D7647 >80 6 Particles >21µm ASTM D7647 >20 0 Particles >38µm ASTM D7647 >4 0 Particles >71µm ASTM D7647 >4 0 Oil Cleanliness ISO 4406 (c) >20/18/15 16/14/11 FLUID DEGRADATION method limit/base current history1 history2	Sodium	ppm	ASTM D5185m		<1	0	
ppm Water ppm ASTM D6304 >100 325.8 479.2 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >10000 615 Particles >6µm ASTM D7647 >2500 143 Particles >6µm ASTM D7647 >320 16 Particles >14µm ASTM D7647 >80 6 Particles >21µm ASTM D7647 >20 0 Particles >38µm ASTM D7647 >4 0 Particles >71µm ASTM D7647 >4 0 Oil Cleanliness ISO 4406 (c) >20/18/15 16/14/11 FLUID DEGRADATION method limit/base current history1 history2	Potassium	ppm	ASTM D5185m	>20	0	2	
FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >10000 615 Particles >6µm ASTM D7647 >2500 143 Particles >6µm ASTM D7647 >320 16 Particles >14µm ASTM D7647 >320 16 Particles >21µm ASTM D7647 >80 6 Particles >38µm ASTM D7647 >20 0 Particles >71µm ASTM D7647 >4 0 Oil Cleanliness ISO 4406 (c) >20/18/15 16/14/11 FLUID DEGRADATION method limit/base current history1 history2	Water	%	ASTM D6304	>0.01	0.032	0.047	
Particles >4μm ASTM D7647 >10000 615 Particles >6μm ASTM D7647 >2500 143 Particles >14μm ASTM D7647 >320 16 Particles >21μm ASTM D7647 >80 6 Particles >21μm ASTM D7647 >80 6 Particles >38μm ASTM D7647 >20 0 Particles >371μm ASTM D7647 >4 0 Oil Cleanliness ISO 4406 (c) >20/18/15 16/14/11 FLUID DEGRADATION method limit/base current history1 history2	ppm Water	ppm	ASTM D6304	>100	325.8	479.2	
Particles >6µm ASTM D7647 >2500 143 Particles >14µm ASTM D7647 >320 16 Particles >21µm ASTM D7647 >80 6 Particles >21µm ASTM D7647 >80 6 Particles >38µm ASTM D7647 >20 0 Particles >71µm ASTM D7647 >4 0 Oil Cleanliness ISO 4406 (c) >20/18/15 16/14/11 FLUID DEGRADATION method limit/base current history1 history2	FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >14μm ASTM D7647 >320 16 Particles >21μm ASTM D7647 >80 6 Particles >38μm ASTM D7647 >20 0 Particles >38μm ASTM D7647 >20 0 Particles >71μm ASTM D7647 >4 0 Oil Cleanliness ISO 4406 (c) >20/18/15 16/14/11 FLUID DEGRADATION method limit/base current history1 history2	Particles >4µm		ASTM D7647	>10000	615		
Particles >21μm ASTM D7647 >80 6 Particles >38μm ASTM D7647 >20 0 Particles >38μm ASTM D7647 >20 0 Particles >71μm ASTM D7647 >4 0 Oil Cleanliness ISO 4406 (c) >20/18/15 16/14/11 FLUID DEGRADATION method limit/base current history1 history2	Particles >6µm		ASTM D7647	>2500	143		
Particles >38μm ASTM D7647 >20 0 Particles >71μm ASTM D7647 >4 0 Oil Cleanliness ISO 4406 (c) >20/18/15 16/14/11 FLUID DEGRADATION method limit/base current history1 history2	Particles >14µm		ASTM D7647	>320	16		
Particles >71µm ASTM D7647 >4 0 Oil Cleanliness ISO 4406 (c) >20/18/15 16/14/11 FLUID DEGRADATION method limit/base current history1 history2	Particles >21µm		ASTM D7647	>80	6		
Oil Cleanliness ISO 4406 (c) >20/18/15 16/14/11 FLUID DEGRADATION method limit/base current history1 history2	Particles >38µm		ASTM D7647	>20	0		
FLUID DEGRADATION method limit/base current history1 history2	Particles >71µm		ASTM D7647	>4	0		
	Oil Cleanliness		ISO 4406 (c)	>20/18/15	16/14/11		
Acid Number (AN) mg KOH/g ASTM D8045 0.013	FLUID DEGRADA	TION	method	limit/base	current	history1	history2
	Acid Number (AN)	mg KOH/g	ASTM D8045		0.013		



OIL ANALYSIS REPORT







NONE *Visual NONE NONE White Metal scalar NONE NONE NONE Yellow Metal scalar *Visual Precipitate scalar *Visual NONE NONE NONE Silt scalar *Visual NONE NONE NONE NONE Debris *Visual NONE NONE scalar NONE Sand/Dirt scalar *Visual NONE NONE NORML Appearance NORML NORML scalar *Visua Odor *Visual NORML scalar NORML NORML *Visual **Emulsified Water** scalar >0.01 NEG NEG Free Water scalar *Visual NEG NEG FLUID PROPERTIES Visc @ 40°C cSt ASTM D445 27.7 31.7 SAMPLE IMAGES Color no image Bottom no image GRAPHS Ferrous Alloys Particle Count 491,52 122,88 30.72 7 68 Oct12/23 4406 per 1 1.920 :1999 Cle Non-ferrous Metals 480 120 14 31 0ct12/2 214 Viscosity @ 40°C Acid Number 0.02 (B/HOX 0.0 Abnorma 0.01 Acid 0.00 0ct12/23 1 av 2 / 7 2 Man³ : WearCheck USA - 501 Madison Ave., Cary, NC 27513 **Chugach Consolidated Solutions - NSA** : 13 Oct 2023 : WC0836510 Received 10840 Guilford Road, Suites 406-407 :05979016 Diagnosed : 16 Oct 2023

10840 Guilford Road, Suites 406-407 Annapolis Junction, MD US 20701 Contact: Susan Nord susan.nord@chugachgov.com T: (301)688-6363 M 106:2012) F: (443)479-5666

* - 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)

Diagnostician

: Doug Bogart