

OIL ANALYSIS REPORT

Area Blending Smartwax Thermal Oil Skid (S/N BL015U20U) Component

Heat Transfer Fluid

HEAT TRANSFER FLUID ISO 46 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

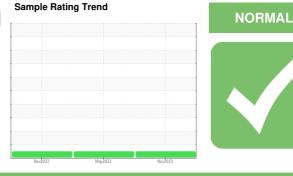
All component wear rates are normal.

Contamination

There is no indication of any contamination in the fluid. 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 fluid is suitable for further service.





		Nov	2022	May2023 Nov2(123	
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0834707	WC0782898	WC0734609
Sample Date		Client Info		14 Nov 2023	17 May 2023	16 Nov 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
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION	N	method	limit/base	current	history1	history2
Water		WC Method	>0.0601	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	<1	2	1
Chromium	ppm	ASTM D5185m	>21	0	0	0
Nickel	ppm	ASTM D5185m	>21	0	0	0
Titanium	ppm	ASTM D5185m	>21	0	0	0
Silver	ppm	ASTM D5185m	>21	0	0	0
Aluminum	ppm	ASTM D5185m		0	0	<1
Lead	ppm	ASTM D5185m	>21	0	0	<1
Copper	ppm	ASTM D5185m	>21	0	<1	<1
Tin	ppm	ASTM D5185m	>21	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	5	0	0	<1
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m	5	0	0	<1
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m	5	0	<1	<1
Calcium	ppm	ASTM D5185m	5	155	216	204
Phosphorus	ppm	ASTM D5185m	250	0	4	9
Zinc	ppm	ASTM D5185m	5	0	<1	0
Sulfur	ppm	ASTM D5185m	3000	256	438	286
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m		<1	<1	<1
Sodium	ppm	ASTM D5185m	>21	1	<1	2
Potassium	ppm	ASTM D5185m	>20	0	<1	1
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
FLUID CLEANLIN Particles >4µm	IESS	ASTM D7647		current 3698	history1 2310	history2 15150
	IESS					
Particles >4µm	IESS	ASTM D7647	>10240000 >10240000	3698	2310	15150 1399 24
Particles >4μm Particles >6μm	IESS	ASTM D7647 ASTM D7647	>10240000	3698 766 53 11	2310 524 44 15	15150 1399
Particles >4μm Particles >6μm Particles >14μm	ESS	ASTM D7647 ASTM D7647 ASTM D7647	>10240000 >10240000	3698 766 53	2310 524 44 15 2	15150 1399 24
Particles >4µm Particles >6µm Particles >14µm Particles >21µm	ESS	ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>10240000 >10240000 >2560000	3698 766 53 11	2310 524 44 15	15150 1399 24 5
Particles >4µm Particles >6µm Particles >14µm Particles >21µm Particles >38µm	ESS	ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>10240000 >10240000 >2560000 >640000	3698 766 53 11 0	2310 524 44 15 2	15150 1399 24 5 0

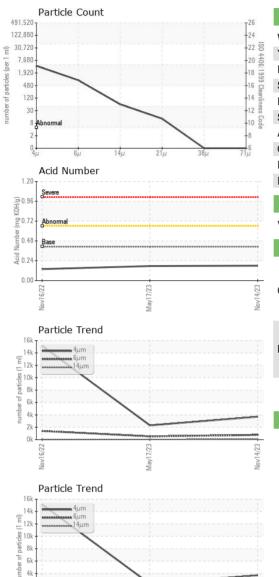
0.18 0.176 0.139

Contact/Location: Ted Hudson - JMHCRY



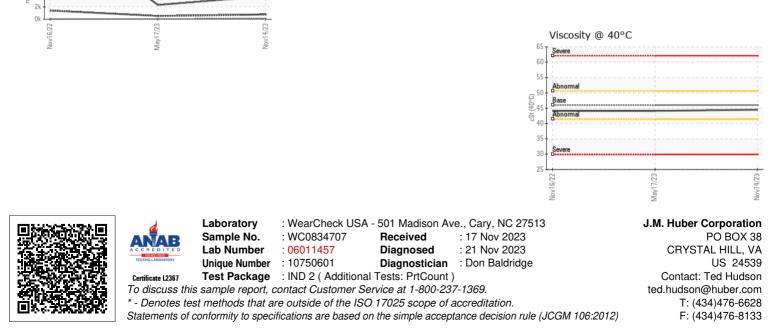
4k

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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	>0.0601	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	46	44.5	44.1	44.1
SAMPLE IMAGES	;	method	limit/base	current	history1	history2
						5
Color						

GRAPHS



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