

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id HEATEC HOT OIL Component

Heat Transfer Fluid Fluid MULTITHERM IG-4 (--- 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.

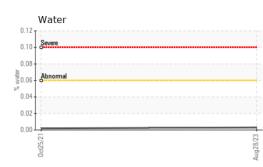
Sample Date Client Info 28 Aug 2023 25 Oct 2021 Machine Age hrs Client Info 0 0 Oil Age hrs Client Info 0 0 Oil Changed Client Info N/A N/A Sample Status method Imit/base current history1 history2 VEAR METALS method Imit/base current history1 history1 history2 Nickel ppm ASTM 05185m >21 0 0 Nickel ppm ASTM 05185m >21 0 0 Nickel ppm ASTM 05185m >21 0 0 Automium ppm ASTM 05185m >21 0 0 Automium ppm ASTM 05185m >21 -1 0 Automium ppm ASTM 05185m >21 -1 0				0ct2021	Aug2023		
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ron ppm ASTM D5185m >220 1 1 Chromium ppm ASTM D5185m >21 <1	-		method	limit/base	current	historv1	historv2
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FLUID DEGRADATION method limit/base current history1 history2							
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Acid Number (AN) mg KOH/g ASTM D8045 0.11 0.082	FLUID DEGRADA	TION	method	limit/base	current	history1	history2
	Acid Number (AN)	mg KOH/g	ASTM D8045		0.11	0.082	

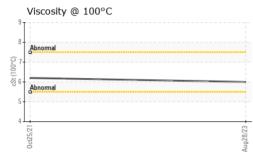
Report Id: BLUDUM [WUSCAR] 05937231 (Generated: 09/14/2023 21:02:04) Rev: 1

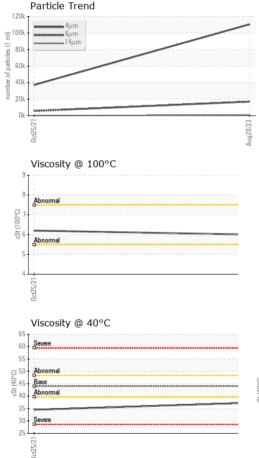
Contact/Location: VINNIE MURABITO - BLUDUM



OIL ANALYSIS REPORT







	White Metal Yellow Metal	scalar	*) /!				
	Vallow Matal		*Visual	NONE	NONE	NONE	
	reliow wietai	scalar	*Visual	NONE	NONE	NONE	
	Precipitate	scalar	*Visual	NONE	NONE	NONE	
	Silt	scalar	*Visual	NONE	NONE	NONE	
	Debris	scalar	*Visual	NONE	NONE	NONE	
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
8/23 -	Appearance	scalar	*Visual	NORML	NORML	NORML	
Aug28/23	Odor	scalar	*Visual	NORML	NORML	NORML	
	Emulsified Water	scalar	*Visual	>0.0601	NEG	NEG	
	Free Water	scalar	*Visual		NEG	NEG	
	FLUID PROPERT	TIES	method	limit/base	current	history1	history2
	Visc @ 40°C	cSt	ASTM D445	44.0	37.3	34.5	
	Visc @ 100°C	cSt	ASTM D445		6	6.2	
	Viscosity Index (VI)	Scale	ASTM D2270		104	129	
				1			
	SAMPLE IMAGES	5	method	limit/base	current	history1	history2
and.	Color						no image
	Bottom					\bigcirc	no image
10000100001000000000000000000000000000	GRAPHS						
Aug28/23	 Ferrous Alloys 			491,52	Particle Count		T ²⁶
Aug2	8 - iron			122,88	0		-24
	E 6						
	2			30,72			-22
	0			7.68	0-		-20
	0ct25/21			Aug28/23 s (per 1 ml			
	0			and 1,92 Aug2			+10
	Non-ferrous Metal	s		Aug28/23 Particles (per 1 ml) 89	0-		-16
					0-		-14
	E 6			qump		/	-24 -18 -16 -14 -14 -12
	4			3	0+		12
	2-				Abnormal		-10
	2 2				2		
	0ct25/2			Aug28/23			
				A	0 4μ 6μ	14μ 21μ	38µ 71µ
	Viscosity @ 40°C				Acid Number		
	60 - Severe			SHOX			
	So 50 Abnormal				0		
	0.50 - Abnormal の ない ない ない ない ない ない ない ない ない ない			1.0(4) 1.0 yr KOH(4) 0.0 yr KOH(4)	5		
	30 Severe			Nn Pi			
	20			0.0 ¥			
	0ct25/21			Aug28/23	0ct25/21		
Laboratory Sample No. Lab Number Unique Number Test Package	: 05937231 r : 10622502	Received Diagnos Diagnost	d : 297 ed : 143 tician : Dou	ry, NC 2751 Aug 2023 Sep 2023 Ig Bogart	3	18001 COCK	UMFRIES, V US 2202

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* - 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)

Contact/Location: VINNIE MURABITO - BLUDUM

Т:

F: