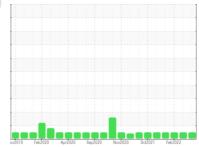


OIL ANALYSIS REPORT

SAMPLE INFORMATION method

Sample Rating Trend





NORMAL

Machine Id				
WHIT	C			
Component				
Reciproc	ating Compr	essor		
Fluid				
TULCO L	UBSOIL IND	MP R&	D 150 (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.

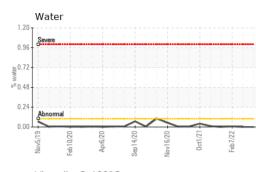
Sample Number		Client Info		TO7000003	TO7000001	TO4000023
Sample Date		Client Info		02 May 2022	04 Apr 2022	07 Feb 2022
Machine Age	wks	Client Info		0	0	0
Oil Age	wks	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
			11 11 11			
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<1	0	<1
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m		0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>25	0	<1	<1
_ead	ppm	ASTM D5185m	>25	0	0	<1
Copper	ppm	ASTM D5185m	>50	0	<1	<1
Fin	ppm	ASTM D5185m	>15	0	<1	0
Antimony	ppm	ASTM D5185m				0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
	ppm			Ū		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	<1	<1	<1
Barium	ppm	ASTM D5185m		0	0	0
Nolybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m	0	0	0	0
Calcium	ppm	ASTM D5185m	0	0	<1	1
Phosphorus	ppm	ASTM D5185m	0	20	22	17
Zinc	ppm	ASTM D5185m	0	5	4	0
Sulfur	ppm	ASTM D5185m	2400	1964	2309	2032
CONTAMINANTS	5	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	5	5	4
Sodium	ppm	ASTM D5185m	0	0	0	0
Potassium	ppm	ASTM D5185m	>20	0	0	<1
Water	%	ASTM D510301		0.00	0.001	0.007
opm Water	ppm	ASTM D6304		0.00	5.7	71.6
•				0.00		
FLUID CLEANLI	NESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	8144	1297	6017
Particles >6µm		ASTM D7647	>2500	2050	273	975
Particles >14µm		ASTM D7647	>320	109	14	24
Particles >21µm		ASTM D7647	>80	23	2	4
Particles >38µm		ASTM D7647	>20	0	0	1
Particles >71µm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	20/18/14	17/15/11	20/17/12
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.041	0.17 BV: BRANDON	0.078

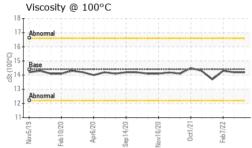
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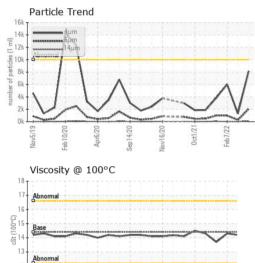
Submitted By: BRANDON HUTCHERSON



OIL ANALYSIS REPORT







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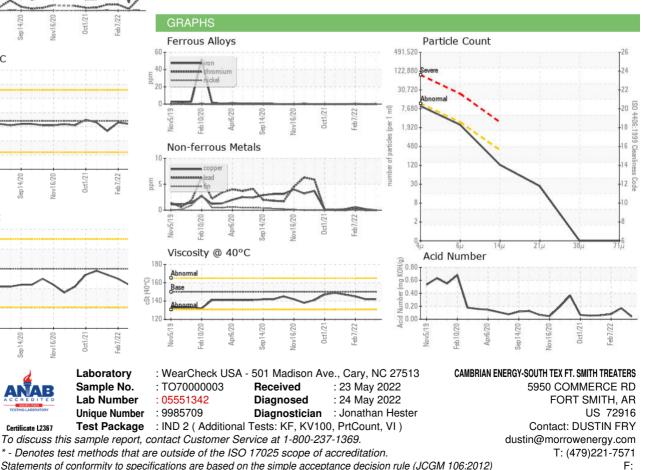
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Viscosity @ 40°C

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	VLITE	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	>0.1	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	150	142	142	145
Visc @ 100°C	cSt	ASTM D445	14.4	14.2	14.2	14.3
Viscosity Index (VI)	Scale	ASTM D2270	92	97	97	95
SAMPLE IMAGES	3	method	limit/base	current	history1	history2
Color						



Bottom



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

Submitted By: BRANDON HUTCHERSON