

OIL ANALYSIS REPORT

Sample Rating Trend



BLOWER

Component Blower Fluid TULCO LUBSOIL LPG WS 220 (--- 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.

		0ct202	1 Sep2022	0ct2023 1	Nov2023	
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO60000480	TO60000477	TO60000474
Sample Date		Client Info		07 Nov 2023	23 Oct 2023	12 Sep 2022
Machine Age	hrs	Client Info		0	0	45191
Oil Age	hrs	Client Info		0	0	45191
Oil Changed		Client Info		N/A	N/A	Changed
Sample Status				NORMAL	ATTENTION	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	<1	0	<1
Chromium	ppm	ASTM D5185m	>20	<1	0	<1
Nickel	ppm	ASTM D5185m	>20	<1	1	<1
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m		0	<1	<1
Aluminum	ppm	ASTM D5185m	>20	2	<1	<1
Lead	ppm	ASTM D5185m	>20	0	0	<1
Copper	ppm	ASTM D5185m		<1	0	<1
Tin	ppm	ASTM D5185m	>20	<1	1	1
Antimony		ASTM D5185m	~20			
Vanadium	ppm	ASTM D5185m		<1	<1	<1
Cadmium	ppm	ASTM D5185m		<1	0	<1
	ppm			<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	0
Barium	ppm	ASTM D5185m		0	0	<1
Molybdenum	ppm	ASTM D5185m	0	<1	0	3
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m	0	0	4	1
Calcium	ppm	ASTM D5185m		1	6	81
Phosphorus	ppm	ASTM D5185m	0	0	<1	25
Zinc	ppm	ASTM D5185m	0	0	0	22
Sulfur	ppm	ASTM D5185m	0	0	0	118
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	3	1	3
Sodium	ppm	ASTM D5185m		5	0	0
Potassium	ppm	ASTM D5185m	>20	2	3	0
Water	%	ASTM D6304	>2.26	0.336	0.532	0.485
ppm Water	ppm	ASTM D6304	>22600	3363	5329.1	4854.1
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500	536	2 711	904
Particles >6µm		ASTM D7647	>640	146	609	286
Particles >14μm		ASTM D7647	>80	26	42	28
$1 a (0 c s > 1 + \mu m)$						
		ASTM D7647	>20	14	10	6
Particles >21µm		ASTM D7647 ASTM D7647	>20 >4	14 1	10	6
Particles >21µm Particles >38µm			>4			
Particles >21µm Particles >38µm Particles >71µm		ASTM D7647	>4	1	1	1
Particles >21μm Particles >21μm Particles >38μm Particles >71μm Oil Cleanliness FLUID DEGRADA	TION	ASTM D7647 ASTM D7647	>4 >3	1 0	1 0	1 0
Particles >21μm Particles >38μm Particles >71μm Oil Cleanliness	TION mg KOH/g	ASTM D7647 ASTM D7647 ISO 4406 (c)	>4 >3 >18/16/13	1 0 16/14/12	1 0 ▲ 19/16/13	1 0 17/15/12

Report Id: EASTYL [WUSCAR] 06016475 (Generated: 11/30/2023 02:46:29) Rev: 1

Submitted By: CHASE CLIFFORD



260

250

240

220

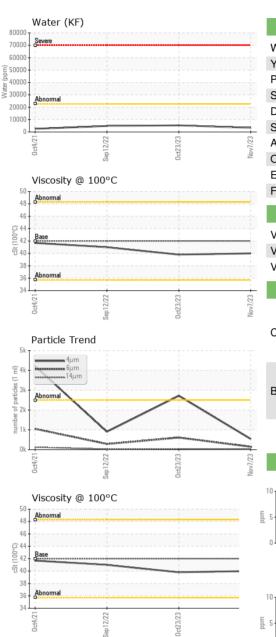
210

200

Abnorma

(J240 (J20) (J20)

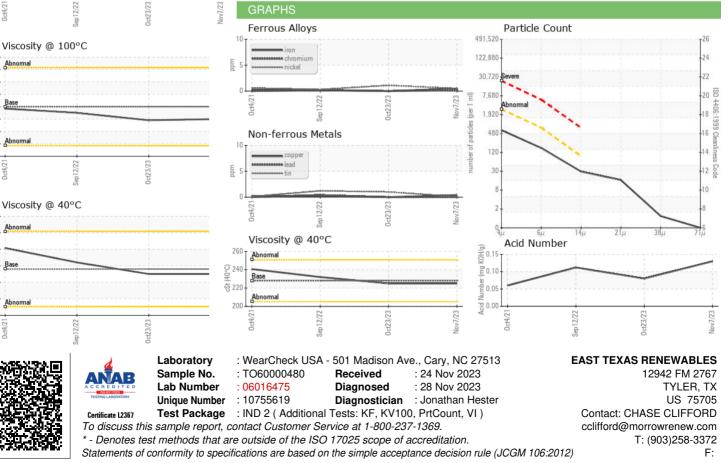
OIL ANALYSIS REPORT



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	>2.26	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	228	225	225	232
Visc @ 100°C	cSt	ASTM D445	42	40.0	39.8	41.0
Viscosity Index (VI)	Scale	ASTM D2270	240	231	230	231
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color						2







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