

OIL ANALYSIS REPORT

STUFF MEZZ 1 - STUFF LINE 3 Component

Hydraulic System ESSO NUTO H ISO 46 (--- GAL)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component. We advise an early resample to confirm this situation. We were unable to perform a particle count due to a high concentration of particles present in this sample.

A Wear

The iron level is abnormal.

Contamination

Moderate concentration of visible dirt/debris present in the oil.

Fluid Condition

The oil viscosity is higher than normal. This plus the additive levels indicates the addition of a different brand or type of oil. Confirmed. The AN level is acceptable for this fluid.

Sample Number Client Info USP0004847 USP235785 USP213785 Sample Date inf Client Info 0 0 0 Machine Age hrs Client Info 0 0 0 Oil Age hrs Client Info 0 0 0 0 Oil Changed Client Info N/A N/A N/A N/A N/A Sample Status Imethod Imit/base current history1 history1 Iron ppm ASTM D5185m >20 4 26 <1 1 Chromium ppm ASTM D5185m >20 <1 0 0 Silver ppm ASTM D5185m 20 <1 0 0 Copper ppm ASTM D5185m >20 0 0 0 Auminum ppm ASTM D5185m >20 0 0 0 Copper ppm ASTM D5185m >20 0 0 0							
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Particles >4µm ASTM D7647 >5000 197 19718 Particles >6µm ASTM D7647 >1300 39 2267 Particles >14µm ASTM D7647 >160 2 75 Particles >14µm ASTM D7647 >40 0 13 Particles >21µm ASTM D7647 >40 0 0 Particles >38µm ASTM D7647 >10 0 0 Particles >38µm ASTM D7647 >3 0 0 Particles >71µm ASTM D7647 >3 0 0 Oil Cleanliness ISO 4406 (c) >19/17/14 15/12/9 21/18/14 FLUID DEGRADATION method limit/base current history1 history1	opm Water	ppm	ASTM D6304	>500	228	18.0	72.4
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Particles >38μm ASTM D7647 >10 0 0 Particles >71μm ASTM D7647 >3 0 0 Oil Cleanliness ISO 4406 (c) >19/17/14 15/12/9 ≥1/18/14 FLUID DEGRADATION method limit/base current history1 history1	Particles >14µm		ASTM D7647	>160		2	75
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Oil Cleanliness ISO 4406 (c) >19/17/14 15/12/9 ▲ 21/18/13 FLUID DEGRADATION method limit/base current history1 history1	Particles >38µm		ASTM D7647	>10		0	0
FLUID DEGRADATION method limit/base current history1 history	Particles >71µm		ASTM D7647	>3		0	0
· · · · · ·	Oil Cleanliness		ISO 4406 (c)	>19/17/14		15/12/9	1 /18/13
Acid Number (AN) mg KOH/g ASTM D8045 0.45 0.12 0.27 0.236	FLUID DEGRADA	TION	method	limit/base	current	history1	history2
	Acid Number (AN)	mg KOH/g	ASTM D8045	0.45	0.12	0.27	0.236

Sample Rating Trend

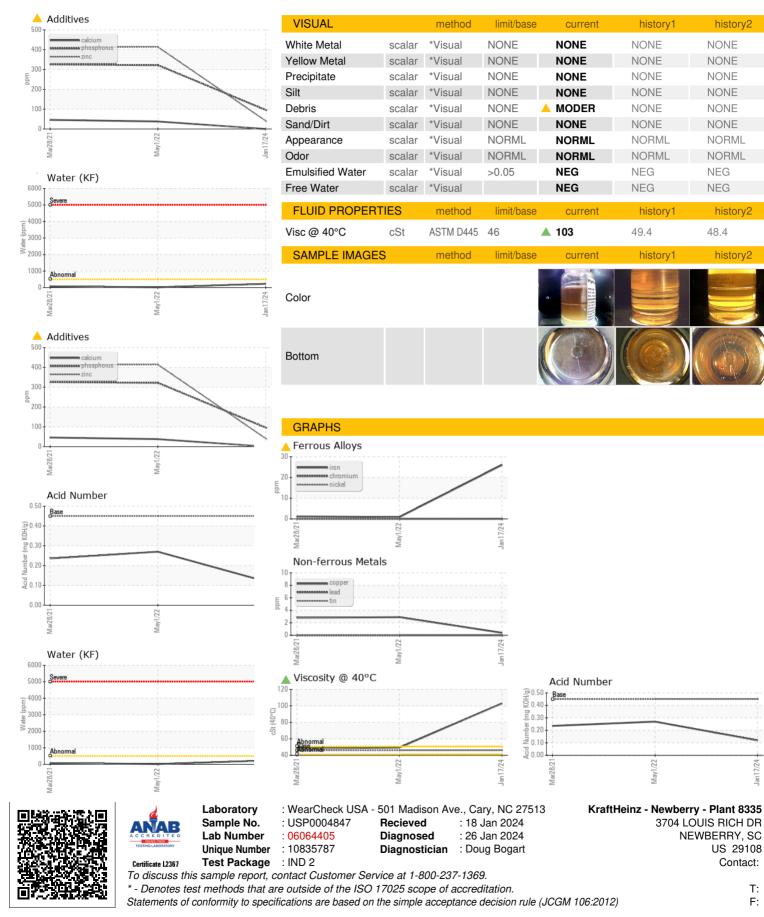
Report Id: KRANEWUSP [WUSCAR] 06064405 (Generated: 01/26/2024 16:28:02) Rev: 1

Contact/Location: ? ? - KRANEWUSP

WEAR



OIL ANALYSIS REPORT



Contact/Location: ? ? - KRANEWUSP