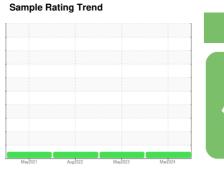


OIL ANALYSIS REPORT

Area **S-460** [9138]

KAESER 1706 - ACCURATE COLOR & COMPOUNDING

Component





DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

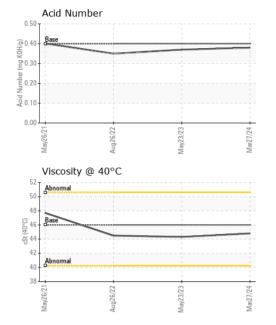
Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

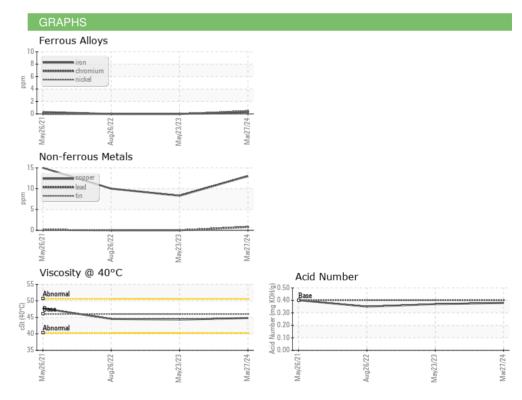
Sample Number Client Info UDI06144371 UCH05860941 UCH058 Sample Date Client Info 27 Mar 2024 23 May 2023 26 Aug 3 Machine Age hrs Client Info 17775 14509 11287 1287 Machine Age hrs Client Info 3266 3222 3000 Oil Changed Client Info Changed Changed Changed Changed Changed Changed Changed NORMAL NORMAL	
Sample Date	ory2
Machine Age hrs Client Info 17775 14509 11287 Oil Age hrs Client Info 3266 3222 3000 Oil Changed Client Info Changed	33073
Oil Age hrs Client Info 3266 3222 3000 Oil Changed Client Info Changed Changed Changed Changed Sample Status Normal Normal Normal Normal CONTAMINATION method limit/base current history1 hist WEAR METALS method limit/base current history1 hist Iron ppm ASTM D5185m >50 <1 0 0 Chromium ppm ASTM D5185m >10 <1 0 0 Nickel ppm ASTM D5185m >3 <1 0 0 Silver ppm ASTM D5185m >3 <1 0 0 Silver ppm ASTM D5185m >10 2 5 0 Lead ppm ASTM D5185m >10 <1 0 0 Copper ppm ASTM D5185m >10 <1 0 0	2022
Oil Changed Sample Status Client Info Changed NORMAL NEG WEAR METALS method limit/base current history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 <td></td>	
Oil Changed Sample Status Client Info Changed NORMAL NEG WEAR METALS method limit/base current history1 history1 history1 history1 history1 history1 history1 history1 history1 history1 <td></td>	
CONTAMINATION method limit/base current history1 history1 Water WC Method >0.05 NEG NEG NEG WEAR METALS method limit/base current history1 history1 Iron ppm ASTM D5185m >50 <1 0 0 Chromium ppm ASTM D5185m >10 <1 0 0 Nickel ppm ASTM D5185m >3 <1 0 0 Silver ppm ASTM D5185m >2 0 0 <1 Aluminum ppm ASTM D5185m >10 2 5 0 Aluminum ppm ASTM D5185m >10 <1 0 0 Lead ppm ASTM D5185m >10 <1 0 0 Copper ppm ASTM D5185m >10 <1 0 0 Tin ppm ASTM D5185m >10 <1 0 0	d
Water WC Method >0.05 NEG NEG NEG WEAR METALS method limit/base current history1 hist Iron ppm ASTM D5185m >50 <1 0 0 Chromium ppm ASTM D5185m >10 <1 0 0 Nickel ppm ASTM D5185m >3 <1 0 0 Titanium ppm ASTM D5185m >3 <1 0 0 Silver ppm ASTM D5185m >2 0 0 <1 Aluminum ppm ASTM D5185m >10 2 5 0 Aluminum ppm ASTM D5185m >10 <1 0 0 Lead ppm ASTM D5185m >10 <1 0 0 Copper ppm ASTM D5185m >10 <1 0 0 Tin ppm ASTM D5185m <1 0 0 0	L
WEAR METALS method limit/base current history1 history1 Iron ppm ASTM D5185m >50 <1 0 0 Chromium ppm ASTM D5185m >10 <1 0 0 Nickel ppm ASTM D5185m >3 <1 0 0 Tittanium ppm ASTM D5185m >3 <1 0 0 Silver ppm ASTM D5185m >2 0 0 <1 Aluminum ppm ASTM D5185m >10 2 5 0 Aluminum ppm ASTM D5185m >10 <1 0 0 Lead ppm ASTM D5185m >10 <1 0 0 Copper ppm ASTM D5185m >50 13 8 10 Tin ppm ASTM D5185m >10 <1 0 0 Antimony ppm ASTM D5185m <1 0 0	ory2
Iron	
Chromium ppm ASTM D5185m >10 <1	ory2
Nickel ppm ASTM D5185m >3 <1	
Titanium ppm ASTM D5185m >3 <1	
Silver ppm ASTM D5185m >2 0 0 <1	
Aluminum ppm ASTM D5185m >10 2 5 0 Lead ppm ASTM D5185m >10 <1 0 0 Copper ppm ASTM D5185m >50 13 8 10 Tin ppm ASTM D5185m >10 <1 0 0 Antimony ppm ASTM D5185m Vanadium ppm ASTM D5185m <1 0 0 Cadmium ppm ASTM D5185m <1 0 0 ADDITIVES method limit/base current history1 history1 Boron ppm ASTM D5185m 0 0 0 Barium ppm ASTM D5185m <1 0 0 Molybdenum ppm ASTM D5185m <1 0 0 Magnesium ppm ASTM D5185m <1 0 0 Magnesium ppm ASTM D5185m 2	
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Tin ppm ASTM D5185m >10 <1	
Antimony ppm ASTM D5185m 0 0 ADDITIVES method limit/base current history1 history1 history1 history1 history1 history1 ASTM D5185m 90 0 0 0 0 0 0 0 0 0 0 0 <td></td>	
Vanadium ppm ASTM D5185m <1	
Cadmium ppm ASTM D5185m <1	
ADDITIVES method limit/base current history1 history1 Boron ppm ASTM D5185m 0 0 0 Barium ppm ASTM D5185m 90 0 0 <1 Molybdenum ppm ASTM D5185m <1 0 0 0 Manganese ppm ASTM D5185m 90 6 2 2 2 Calcium ppm ASTM D5185m 2 3 0 0 0 Phosphorus ppm ASTM D5185m 0 0 2 2 Zinc ppm ASTM D5185m 22 0 0 0 Sulfur ppm ASTM D5185m 19688 18792 11687 CONTAMINANTS method limit/base current history1 history1 Silicon ppm ASTM D5185m >25 <1 0 <1	
Boron ppm ASTM D5185m 0 0 0 Barium ppm ASTM D5185m 90 0 0 <1	
Barium ppm ASTM D5185m 90 0 0 <1	ory2
Molybdenum ppm ASTM D5185m <1	
Manganese ppm ASTM D5185m <1	
Magnesium ppm ASTM D5185m 90 6 2 2 Calcium ppm ASTM D5185m 2 3 0 0 Phosphorus ppm ASTM D5185m 0 0 2 Zinc ppm ASTM D5185m 22 0 0 Sulfur ppm ASTM D5185m 19688 18792 11683 CONTAMINANTS method limit/base current history1 history1 Silicon ppm ASTM D5185m >25 <1	
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Phosphorus ppm ASTM D5185m 0 0 2 Zinc ppm ASTM D5185m 22 0 0 Sulfur ppm ASTM D5185m 19688 18792 11683 CONTAMINANTS method limit/base current history1 history1 Silicon ppm ASTM D5185m >25 <1	
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Sulfur ppm ASTM D5185m 19688 18792 11687 CONTAMINANTS method limit/base current history1 history1 Silicon ppm ASTM D5185m >25 <1	
CONTAMINANTS method limit/base current history1 history1 Silicon ppm ASTM D5185m >25 <1 0 <1	
Silicon ppm ASTM D5185m >25 <1	7
PP	ory2
Sodium ppm ASTM D5185m 0 <1	
Potassium ppm ASTM D5185m >20 <1	
FLUID DEGRADATION method limit/base current history1 history1	ory2
Acid Number (AN) mg KOH/g ASTM D8045 0.4 0.38 0.37 0.35	



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	LIGHT
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	>0.05	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	44.8	44.3	44.5
SAMPLE IMAGES	3	method	limit/base	current	history1	history2
Color						
Bottom						







Certificate 12367

Laboratory Sample No.

: UDI06144371 Lab Number : 06144371 Unique Number : 10969179

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 10 Apr 2024 **Tested**

: 11 Apr 2024 Diagnosed : 12 Apr 2024 - Sean Felton

DELTA INDUSTRIES - DOWNERS GROVE

2201 CURTISS STREET DOWNERS GROVE, IL US 60515

Test Package : IND 2 To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Contact: MICHAEL FERRIS

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

F: (630)960-3931