

# FALK SHREDDER (S/N 193427/10) - HYDRAULIC SYSTEM

**Sample No:** RP0028972

**Oil Type:** AW HYDRAULIC OIL ISO 32

## SAMPLE INFORMATION

Sample Number	RP0028972	RP0028991	RP0020824	RP0020820
Sample Date	21 Dec 2023	28 Jun 2023	16 Jan 2023	28 Jul 2022
Machine Hours	0	0	0	0
Oil Hours	0	0	0	0
Oil Changed	N/A	N/A	N/A	N/A
Sample Status	ATTENTION	ATTENTION	ABNORMAL	ABNORMAL

**WESTLAKE CHEMICAL - WESTFIELD**  
 44 GREIF WAY  
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 US 01085  
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## OIL CONDITION

Visc @ 40°C	cSt	44.9	44.5	44.6	44.7
Acid Number (AN)	mg KOH/g	0.073	0.03	0.065	0.06

## CONTAMINATION

Water	%	0.005	0.003	0.005	0.003
Particles >4µm		2313	2233	5825	4707
Particles >6µm		585	405	1510	751
Particles >14µm		71	19	123	46
ISO 4406:1999 (c)		18/16/13	18/16/11	20/18/14	19/17/13
Silicon	ppm	0	0	<1	<1
Sodium	ppm	0	0	<1	0
Potassium	ppm	0	<1	0	0

## WEAR METALS

Iron	ppm	<1	<1	<1	<1
Copper	ppm	0	<1	<1	<1
Lead	ppm	0	<1	0	<1
Tin	ppm	0	<1	<1	1
Aluminum	ppm	0	0	0	2
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	0	0	1
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	<1	<1
Manganese	ppm	0	0	0	0
Vanadium	ppm	0	0	0	0

## ADDITIVES

Calcium	ppm	0	0	0	0
Magnesium	ppm	0	0	<1	0
Zinc	ppm	<1	8	0	5
Phosphorus	ppm	523	491	484	464
Barium	ppm	0	<1	0	0
Boron	ppm	0	0	0	<1

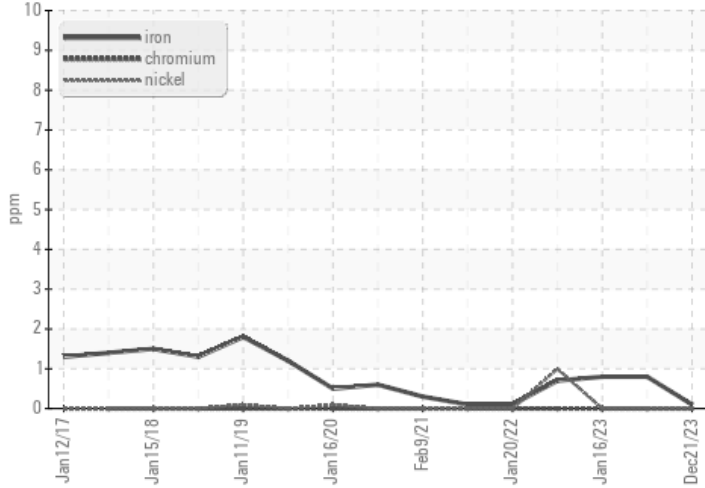
## Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate amount of particulates present in the oil. Viscosity of sample indicates oil is within ISO 46 range, advise investigate. Confirm oil type. The AN level is acceptable for this fluid.

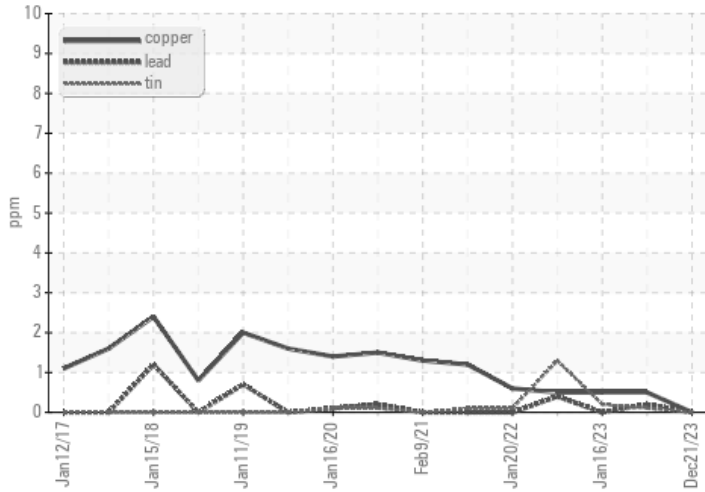
**Depot:** KLEWESMA  
**Unique No:** 10821857  
**Signed:** Don Baldrige  
**Report Date:** 10 Jan 2024

# GRAPHS

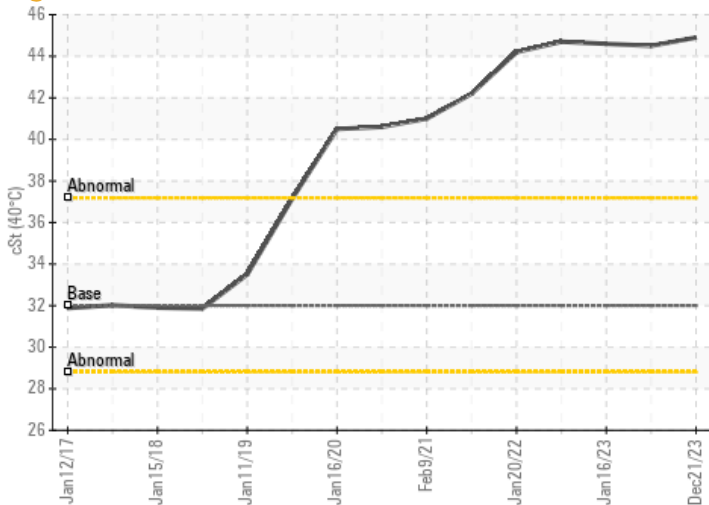
### Ferrous Alloys



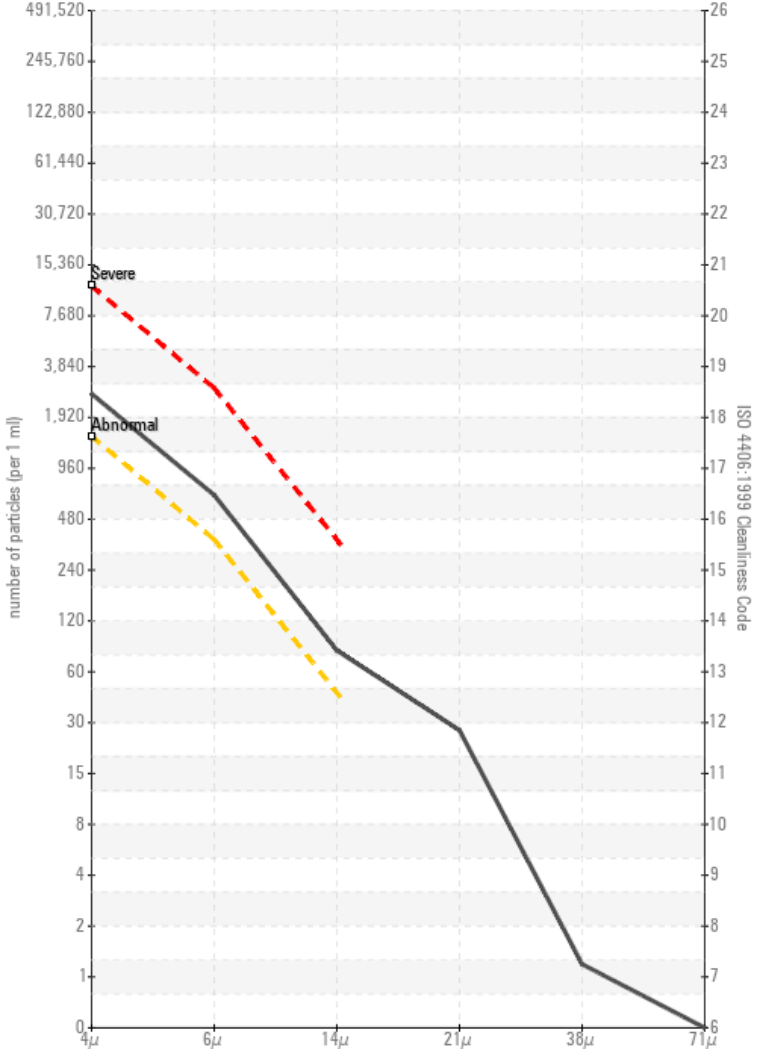
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

