

OIL ANALYSIS REPORT

Sample Rating Trend

ISO

RED STAG PRESS

Hydraulic System Fluid SMITH FUELS AW 32 (6000 LTR)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Wear

All component wear rates are normal.

Contamination

There is a light amount of silt (particulates < 14 microns in size) present in the oil.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2																					
Sample Number		Client Info		WC0712439																							
Sample Date		Client Info		16 Jan 2024																							
Machine Age	yrs	Client Info		20																							
Oil Age	yrs	Client Info		5																							
Oil Changed		Client Info		Filtered																							
Sample Status				ATTENTION																							
CONTAMINATION	N	method	limit/base	current	history1	history2																					
Water		WC Method	>0.1	NEG																							
WEAR METALS		method	limit/base	current	history1	history2																					
Iron	ppm	ASTM D5185(m)	>20	3																							
Chromium	ppm	ASTM D5185(m)	>10	0																							
Nickel	ppm	ASTM D5185(m)	>10	<1																							
Titanium	ppm	ASTM D5185(m)		0																							
Silver	ppm	ASTM D5185(m)		0																							
Aluminum	ppm	ASTM D5185(m)	>10	<1																							
Lead	ppm	ASTM D5185(m)	>10	<1																							
Copper	ppm	ASTM D5185(m)	>75	7																							
Tin	ppm	ASTM D5185(m)	>10	<1																							
Antimony	ppm	ASTM D5185(m)		0																							
Vanadium	ppm	ASTM D5185(m)		0																							
Beryllium	ppm	ASTM D5185(m)		0																							
Cadmium	ppm	ASTM D5185(m)		0																							
ADDITIVES		method	limit/base	current	history1	history2																					
ADDITIVES Boron	ppm	method ASTM D5185(m)	limit/base	current	history1	history2																					
ADDITIVES Boron Barium	ppm ppm	method ASTM D5185(m) ASTM D5185(m)	limit/base	current <1 0	history1 	history2 																					
ADDITIVES Boron Barium Molybdenum	ppm ppm ppm	method ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	limit/base	current <1 0 0	history1 	history2 																					
ADDITIVES Boron Barium Molybdenum Manganese	ppm ppm ppm ppm	method ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	limit/base	current <1 0 0 0	history1 	history2 																					
ADDITIVES Boron Barium Molybdenum Manganese Magnesium	ppm ppm ppm ppm ppm	method ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	limit/base	current <1 0 0 0 5	history1 	history2 																					
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium	ppm ppm ppm ppm ppm	method ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	limit/base	current <1 0 0 0 5 214	history1 	history2 																					
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	ppm ppm ppm ppm ppm ppm	method ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	limit/base	current <1 0 0 5 214 346	history1	history2 																					
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm ppm ppm	methodASTM D5185(m)ASTM D5185(m)ASTM D5185(m)ASTM D5185(m)ASTM D5185(m)ASTM D5185(m)ASTM D5185(m)ASTM D5185(m)ASTM D5185(m)	limit/base	<1 0 0 0 214 346 382	history1	history2																					
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm ppm ppm ppm ppm	methodASTM D5185(m)ASTM D5185(m)	limit/base	 current <1 0 0 0 5 214 346 382 1006 	history1	history2																					
ADDITIVES Boron Barium Molybdenum Maganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium	ppm ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185(m)	limit/base	<1 0 0 0 214 346 382 1006 <1	history1	history2																					
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS	ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185(m)	limit/base	current <1 0 0 5 214 346 382 1006 <1 current	history1	history2																					
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS Silicon	ppm ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185(m)	limit/base	<1 0 0 0 0 214 346 382 1006 <1 current <1	history1	history2																					
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium	ppm ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185(m)	limit/base limit/base >20	<1 0 0 0 0 214 346 382 1006 <1 current <1 3	history1	history2																					
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium Potassium	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185(m)	limit/base	<1 0 0 0 0 5 214 346 382 1006 <1 current <1 3 1	history1	history2																					
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