

WEAR NORMAL CONTAMINATION ABNORMAL FLUID CONDITION NORMAL

OIL ANALYSIS REPORT

Machine Id GROVE 5275 VALVE 1 Component Hydraulic System Fluid TRC HYDRAULIC OIL ISO 32- SAE10W (--- GAL)

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History
	Sample Number		Client Info		TR03453556		
We recommend you service the filters on this component. Resample at the next service interval to monitor.	e at Sample Date		Client Info		13 Feb 2014		
	Machine Age	hrs	Client Info		0		
	Oil Age	hrs	Client Info		0		
	Filter Age	hrs	Client Info		0		
	Oil Changed		Client Info		N/A		
	Filter Changed		Client Info		N/A		
	Sample Status				ABNORMAL		
WEAR All component wear rates are normal.	Iron	ppm	ASTM D5185m		15		
	Chromium	ppm	ASTM D5185m	>10	1		
	Nickel	ppm	ASTM D5185m		<1		
	Titanium	ppm	ASTM D5185m		<1		
	Silver	ppm	ASTM D5185m	10	0		
	Aluminum	ppm	ASTM D5185m		4		
	Lead	ppm	ASTM D5185m		6		
	Copper	ppm	ASTM D5185m		34		
	Tin	ppm	ASTM D5185m	>10	0		
	Vanadium	ppm	ASTM D5185m		0		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon	ppm	ASTM D5185m	>20	5		
	Potassium	ppm	ASTM D5185m	>20	4		
There is a high amount of particulates present in the oil.	Water	%	ASTM D6304	>0.1	0.037		
	ppm Water	ppm	ASTM D6304	>1000	370		
	Particles >4µm		ASTM D7647		5584		
	Particles >6µm		ASTM D7647	>1300	A 3042		
	Particles >14µm		ASTM D7647	>160	518		
	Particles >21µm		ASTM D7647	>40	1 74		
	Particles >38µm		ASTM D7647	>10	A 27		
	Particles >71µm		ASTM D7647	>3	2		
	Oil Cleanliness		ISO 4406 (c)	>19/17/14	🔺 20/19/16		
	Silt	scalar	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	LIGHT		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
	Appearance	scalar	*Visual	NORML	NORML		
	, .pp 0 a. a. 100						
	Odor	scalar	*Visual	NORML	NORML		

Sodium

Boron

Barium

Molybdenum

Manganese

Magnesium

Phosphorus

Calcium

Zinc

Sulfur

ppm

Visc @ 100°C cSt ASTM D445 5.8

Acid Number (AN) mg KOH/g ASTM D8045

ASTM D5185m

ASTM D5185m 1000

FLUID CONDITION

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

1

1

0

1

<1

8

74

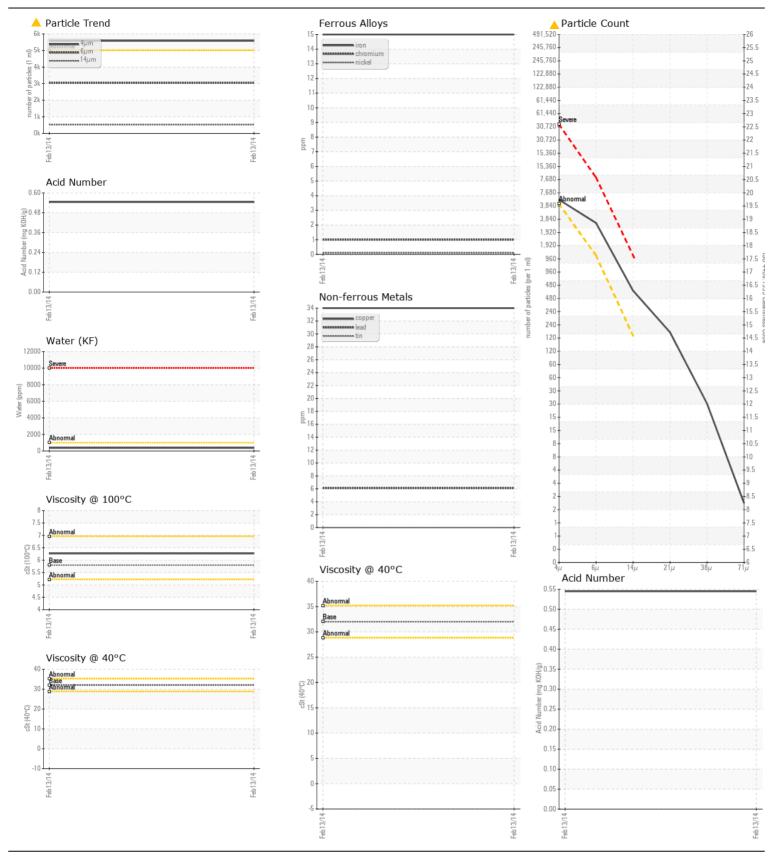
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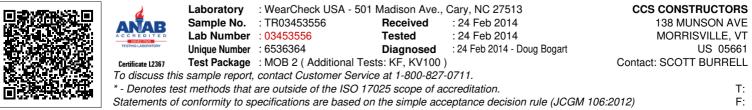
368

2681

0.545

6.27





Contact/Location: SCOTT BURRELL - CCSMOR Page 2 of 2