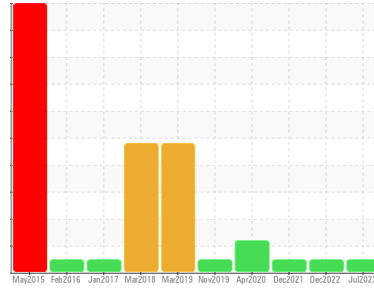


# OIL ANALYSIS REPORT



Area  
**KEMP QUARRIES / NEOSHO**  
Machine Id  
**OHT052**  
Component  
**Rear Left Final Drive**  
Fluid  
**MOBIL MOBILTRANS HD 50 (--- GAL)**

Sample Rating Trend



**NORMAL**



## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor. ( Customer Sample Comment: PM-2 sampled fluid )

### Wear

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the oil.

### Fluid Condition

The condition of the oil is acceptable for the time in service.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>PCA0086408</b>	PCA0062078	PCA0025450
Sample Date	Client Info		<b>31 Jul 2023</b>	01 Dec 2022	15 Dec 2021
Machine Age	hrs	Client Info	<b>21296</b>	20780	15341
Oil Age	hrs	Client Info	<b>21296</b>	20780	0
Oil Changed	Client Info		<b>N/A</b>	N/A	Changed
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >800	<b>47</b>	27	146
Chromium	ppm	ASTM D5185m >10	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m >5	<b>0</b>	<1	0
Titanium	ppm	ASTM D5185m >15	<b>0</b>	0	<1
Silver	ppm	ASTM D5185m >2	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >75	<b>3</b>	1	3
Lead	ppm	ASTM D5185m >10	<b>0</b>	4	4
Copper	ppm	ASTM D5185m >75	<b>9</b>	7	28
Tin	ppm	ASTM D5185m >8	<b>&lt;1</b>	<1	2
Antimony	ppm	ASTM D5185m >50	<b>---</b>	---	0
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>14</b>	14	23
Barium	ppm	ASTM D5185m	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	<b>0</b>	<1	3
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	<1	1
Magnesium	ppm	ASTM D5185m	<b>21</b>	20	54
Calcium	ppm	ASTM D5185m	<b>3114</b>	3074	3014
Phosphorus	ppm	ASTM D5185m	<b>1032</b>	1010	1008
Zinc	ppm	ASTM D5185m	<b>1254</b>	1326	1160
Sulfur	ppm	ASTM D5185m	<b>6976</b>	6716	10711

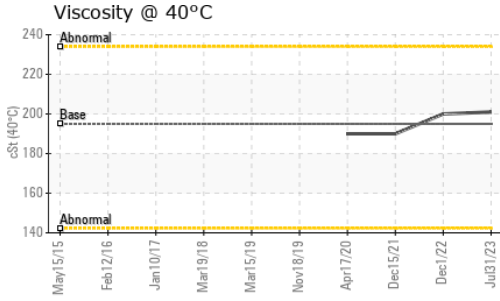
## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >400	<b>15</b>	10	24
Sodium	ppm	ASTM D5185m	<b>2</b>	2	2
Potassium	ppm	ASTM D5185m >20	<b>&lt;1</b>	2	0

## VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	<b>NONE</b>	MODER	MODER
Yellow Metal	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Precipitate	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Silt	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual >0.2	<b>NEG</b>	NEG	NEG
Free Water	scalar	*Visual	<b>NEG</b>	NEG	NEG

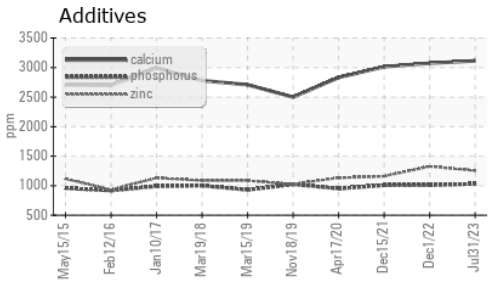
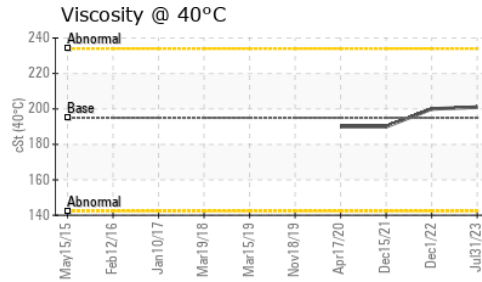
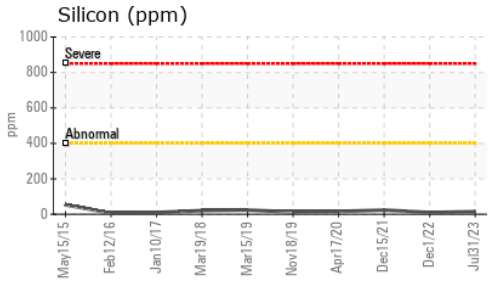
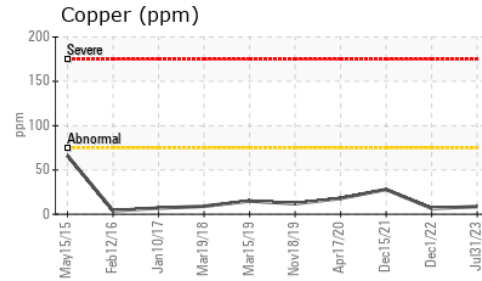
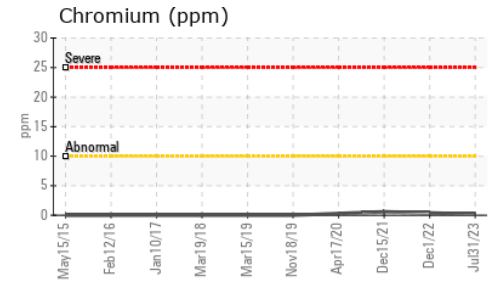
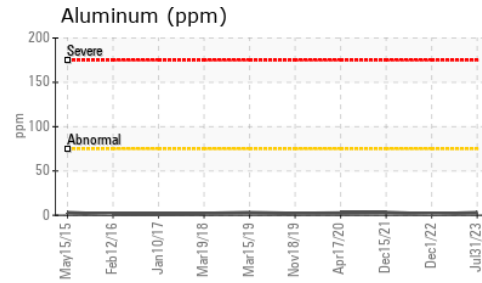
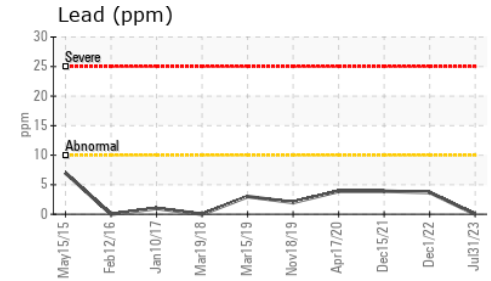
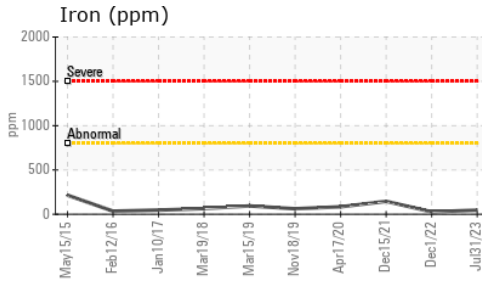
# OIL ANALYSIS REPORT



FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	195	201	200	190

SAMPLE IMAGES		method	limit/base	current	history1	history2
Color				no image	no image	no image
Bottom				no image	no image	no image

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0086408 **Received** : 16 Aug 2023  
**Lab Number** : 05926889 **Diagnosed** : 18 Aug 2023  
**Unique Number** : 10606836 **Diagnostician** : Don Baldrige  
**Test Package** : MOB 1

**Kemp Quarries - Kemp Stone - Neosho**  
 19148 Ingersol Lane  
 Neosho, MO  
 US 64850  
 Contact:

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.

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

neosho@kempstone.com

T:

F: