

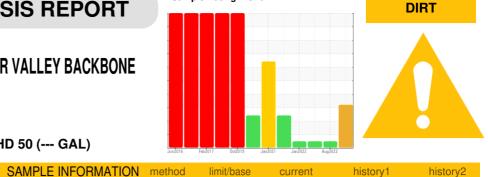
# **OIL ANALYSIS REPORT**

Sample Rating Trend



## KEMP QUARRIES / RIVER VALLEY BACKBONE TTH026 Component **Front Left Final Drive**

MOBIL MOBILTRANS HD 50 (--- GAL)



	Recommendation
-	Recommendation

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor.

### A Wear

Gear wear is indicated. All other component wear rates are normal.

### Contamination

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

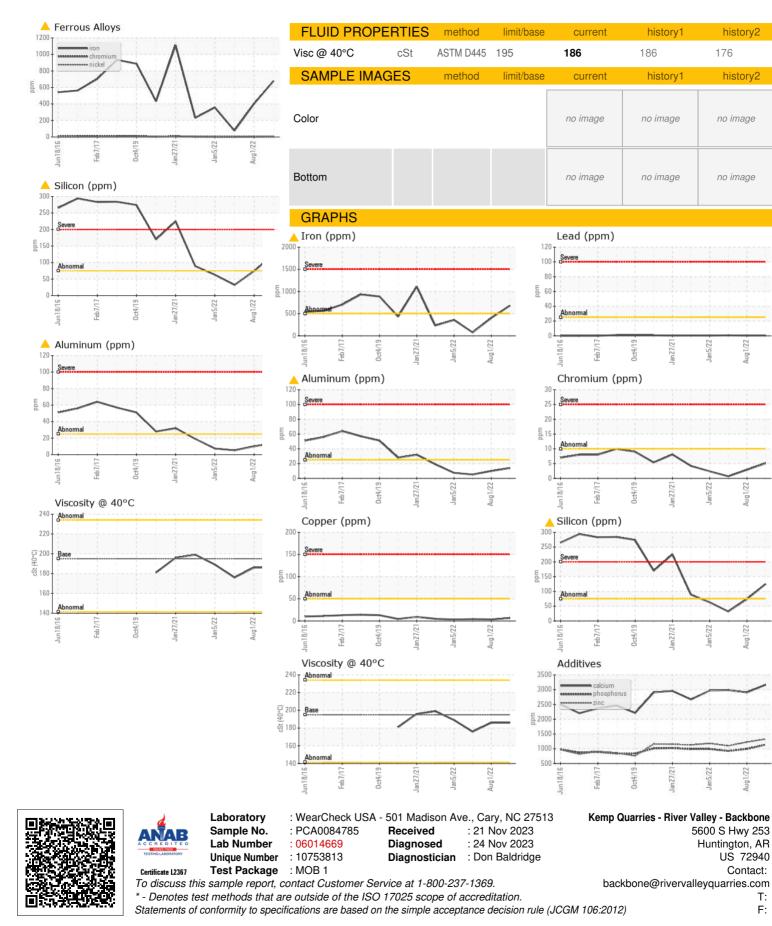
#### Fluid Condition

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

Comple Number		Olianat Infa		DO 4000 4705	DC40070100	DC 40004550
Sample Number		Client Info		PCA0084785	PCA0070133	PCA0034558
Sample Date		Client Info		10 Nov 2023	01 Aug 2022	13 May 2022
Machine Age	hrs	Client Info		23421	21864	20866
Oil Age	hrs	Client Info		600	1006	600
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				ABNORMAL	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	<b>680</b>	403	76
Chromium	ppm	ASTM D5185m	>10	5	3	<1
Nickel	ppm	ASTM D5185m	>10	<1	0	0
Titanium	ppm	ASTM D5185m		5	2	<1
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m		<u> </u>	10	5
Lead	ppm	ASTM D5185m	>25	<1	<1	<1
Copper	ppm	ASTM D5185m		7	4	4
Tin	ppm	ASTM D5185m	>10	0	0	<1
Antimony	ppm	ASTM D5185m	>5			
Vanadium	ppm	ASTM D5185m		<1	<1	0
Cadmium	ppm	ASTM D5185m		<1	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		3	4	9
Barium	ppm	ASTM D5185m		0	<1	0
Molybdenum	ppm	ASTM D5185m		2	1	1
Manganese	ppm	ASTM D5185m		4	2	<1
Magnesium	ppm	ASTM D5185m		28	24	26
Calcium	ppm	ASTM D5185m		3164	2906	2985
Phosphorus	ppm	ASTM D5185m		1138	992	923
Zinc	ppm	ASTM D5185m		1327	1224	1099
Sulfur	ppm	ASTM D5185m		9683	9240	8712
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	<u> </u>	74	32
Sodium	ppm	ASTM D5185m		0	0	<1
Potassium	ppm	ASTM D5185m	>20	6	3	2
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	MODER	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
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	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG Su	ubmi <b>t∖e</b> cGBy: ? ?
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# **OIL ANALYSIS REPORT**



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