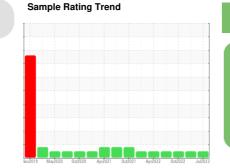


## **OIL ANALYSIS REPORT**





NORMAL

## KEMP QUARRIES / PRYOR STONE [64200] WL133 Component Transmission (Manual) Flui

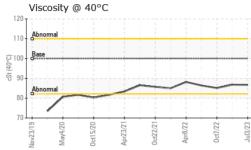
MOBIL MOBILTRANS HD 30 (--- GAL)

DIAGNOSIS	SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Recommendation	Sample Number		Client Info		PCA0084040	PCA0083920	PCA0048983
Resample at the next service interval to monitor. (	Sample Date		Client Info		03 Jul 2023	27 Mar 2023	07 Oct 2022
Customer Sample Comment: Pm2 performed. All	Machine Age	hrs	Client Info		36414	35969	35349
oil samples taken. Engine oil, transmission oil, and	Oil Age	hrs	Client Info		1065	620	1008
all filters changed.)	Oil Changed		Client Info		Changed	Oil Added	Changed
Wear All component wear rates are normal.	Sample Status				NORMAL	NORMAL	NORMAL
Contamination	WEAR METAL	S	method	limit/base	current	history1	history2
There is no indication of any contamination in the	Iron	ppm	ASTM D5185m	>200	4	4	2
fluid.	Chromium	ppm	ASTM D5185m	>5	<1	<1	<1
Fluid Condition	Nickel	ppm	ASTM D5185m	>5	0	<1	0
The condition of the fluid is acceptable for the time	Titanium	ppm	ASTM D5185m		0	0	<1
in service.	Silver	ppm	ASTM D5185m	>7	0	0	0
	Aluminum	ppm	ASTM D5185m	>25	2	<1	2
	Lead	ppm	ASTM D5185m		0	0	0
	Copper	ppm	ASTM D5185m		4	6	8
	Tin	ppm	ASTM D5185m		0	0	0
	Vanadium	ppm	ASTM D5185m		0	0	<1
	Cadmium	ppm	ASTM D5185m		0	0	0
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185m		0	<1	0
	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		<1	2	2
	Manganese	ppm	ASTM D5185m		<1	<1	<1
	Magnesium	ppm	ASTM D5185m		23	24	18
	Calcium	ppm	ASTM D5185m		3143	3031	3070
	Phosphorus	ppm	ASTM D5185m		863	913	865
	Zinc	ppm	ASTM D5185m		1057	1137	1148
	Sulfur	ppm	ASTM D5185m		3917	4451	3948
	CONTAMINAN	ITS	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185m	>125	6	4	5
	Sodium	ppm	ASTM D5185m		1	1	0
	Potassium	ppm	ASTM D5185m	>20	0	<1	0
	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	NONE	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	>0.1	NEG	NEG	NEG
	Free Water	scalar	*Visual		NEG	NEG	NEG
	FLUID PROPE	RTIES	method	limit/base	current	history1	history2
	Visc @ 40°C	cSt	ASTM D445	100	86.7	86.8	85.1

Report Id: KEMPRY [WUSCAR] 05926931 (Generated: 08/18/2023 11:09:05) Rev: 1



## **OIL ANALYSIS REPORT**



APHS (ppm) al ortiszade ortiszade al ortiszade or	0ct2221	0et7/22		Lea 100 60 40 20 0 60 60 60 60 60 60 60 60 60	ormal 02 Wew comium	0et15/20 -	Par2321+		Apr8/22	o image	0)
APHS (ppm) oct[2500 all all all all all all all all all a			52/Elnr	Lea 100 80 60 60 60 60 60 60 60 60 60 6	d (ppm re ormal omium re	(mqd)	Apr23/21	0ct2/2110	Apr6/22	0ct//22	Jul3/23
(ppm) May4/20 Oct15/20 Apr23/21 Apr23/21 Apr23/21 Apr23/21			52/Elnr	Abnc 40 40 40 60 60 60 60 60 60 60 60 60 6	e omal omium e	0ett520+					
(ppm) May4/20 Oct15/20 Apr23/21 Apr23/21 Apr23/21 Apr23/21			52/Elnr	Abnc 40 40 40 60 60 60 60 60 60 60 60 60 6	e omal omium e	0ett520+					
May4/20 Benefician May4/20 Benef			52/Elnr	Abnc 40 40 40 60 60 60 60 60 60 60 60 60 6	e omal omium e	0ett520+					
May4/20			52/Elnr	80 60 40 20 0 60 60 60 60 60 60 60 60 60 60 60 60	ormal 07/14/eW omium re	(ppm)					
May4/20			52/Elnr	und 40 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	omium e	(ppm)					
May4/20 Oct15/20 Apr23/21			52/Elnr	40 20 0 6UEZNOW Chr 12 10 8 40 6 6 6 6 6 6 6 6 6 6 6 6 6	omium e	(ppm)					
May4/20 Oct15/20 Apr23/21				Chr 12 10 8 10 10 10 10 10 10 10 10 10 10	omium e	(ppm)					
May4/20 Oct15/20 Apr23/21				6/EZZvoly Chr 12 10 8 6 4 2 0 6 6 6 6 6 12 0 6 12 0 10 10 10 10 10 10 10 10 10	omium e	(ppm)					
May4/20 Oct15/20 Apr23/21				Chr 12 10 Seven 6 4 2 0 6 6 12 10 10 12 10 10 10 10 10 10 10 10 10 10	omium e	(ppm)					
Mav4/20 Oct15/20 Apr23/21	0ct2221	0c7/22	Jul3/23	12 10 8 10 6 4 2 0 6 1/ 6 1/ 1/ 1/ 1/ 1/ 1/ 1/ 1/ 1/ 1/	re ormal			2/21	/22	22	
May4/20 Oct15/20 Apr23/21	0ct2/21 Apr8/22	0ct7/22 -	Jui3/23	10 Seven	ormal	t15/20	23/21	2/21	722	22	
May4/20 Oct15/20 Apr23/21	0ct22/21	0ct7/22	Jul3/23	und d d d d d d d d d d d d d d d d d d		t15/20	23/21	2/21	/22	22	
May4/20 Oct15/20 Apr23/21	0ct22/21	0ct1/22	Jul3/23	4 2 0 61/82/00N		t15/20	23/21	2/21	/22	22	
	0ct22/21Apr8/22	0ct7/22	Jul3/23	Nov23/19	Aay4/20	t15/20	23/21	2/21	/22	22	
	0ct22/21	0ct3/22	Jul3/23	Nov23/19	/lay4/20	t15/20	23/21	2/21	/22	22	_
	0ct22/21 Apr8/22	0ct7/22	Jul3/23		/lay4/20	t15/20	r23/21	2/2.	/22	52	
	0 ~						a.	ct2	Apr8/22	0ct7/22	00.01.1
(PPIII)				Silic	con (ppi		A	0		_	
				300							
				250 - Sever	e						
nal	1			200 - E 150 - Abno							
	$\langle \rangle$			100 Abno	ormai						
	$\backslash$			50 -							
420 6/20 3/21	2/21	122	3/23		4/20	5/20	3/21	2/21	3/22	1/22	00001-1
May <sup>4</sup> Oct15 Apr2	Oct21 Apr6	0ct7	Jul3	Nov23	May4	Oct15	Apr2:	0ct21	Aprô	0ct7	-
osity @ 40°C					litives						
nal				4000 -							
				3500	ZINC						_
			8								
nal	$\sim$			1500							
				1000 - and 500		10.2 ± 0000000		Contra generation	HARDING AND	WR.R. ogas Lank	
ay4/20 t15/20 n23/21	+t22/21 pr8/22	lct7/22	lul3/23		ay4/20	t15/20	or23/21	:122/21	pr8/22	lct7/22	1.12/23
Check USA - 501 M 084040 <b>Rece</b> i 931 Diagr 878 Diagr 1	ladison Av ived nosed nostician	: 16 A : 18 A : Don	ug 2023 ug 2023 Baldridg	7513 3			rries	- Pryo	1050 ເ	E 520 Pryor, JS 74 Conta	OF OF 36 act
	084040 Rece   931 Diagi   1878 Diagi   1 Sustomer Service at	check USA - 501 Madison Av 025/449 Check USA - 501 Madison Av 084040 Received 5931 Diagnosed 5878 Diagnostician 1 customer Service at 1-800-23	Desity @ 40°C main and and and and and and and an	bity @ 40°C additional and a second	check USA - 501 Madison Ave., Cary, NC 27513 084040 Received : 16 Aug 2023 084040 Received : 18 Aug 2023 084040 Received : 18 Aug 2023 084040 Received : 18 Aug 2023 084040 Received : 19 Aug 2023 084040 Received : 10 Aug 2040 Received : 10 Aug 204	Additives Additives	Additives Check USA - 501 Madison Ave., Cary, NC 27513 Obset of the ceived in the ce	Additives Check USA - 501 Madison Ave., Cary, NC 27513 084040 Received : 16 Aug 2023 084040 Received : 18 Aug 2023 084040 Received at 1-800-237-1369. Kemp Quarries	Additives	Additives Additives	Additives Check USA - 501 Madison Ave., Cary, NC 27513 084040 Received :: 16 Aug 2023 Diagnostician : Don Baldridge US 74 Conta Sarra Diagnostician : Don Baldridge

Submitted By: Page 2 of 2