

OIL ANALYSIS REPORT

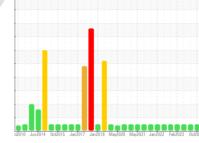
Sample Rating Trend

NORMAL



KEMP QUARRIES / RIVER VALLEY OZARK WL033 Component

Rear Differential



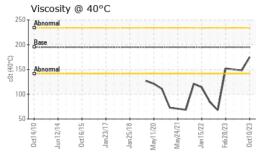


Fluic MOBIL MOBILTRANS HD 50 (--- GAL)

DIAGNOSIS	SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
ecommendation	Sample Number		Client Info		PCA0069763	PCA0069690	PCA0084565
esample at the next service interval to monitor.	Sample Date		Client Info		10 Oct 2023	31 Jul 2023	23 May 2023
ear	Machine Age	hrs	Client Info		42265	42005	41725
component wear rates are normal.	Oil Age	hrs	Client Info		323556	323556	0
ntamination	Oil Changed		Client Info		N/A	N/A	N/A
ere is no indication of any contamination in the	Sample Status				NORMAL	NORMAL	NORMAL
·	WEAR META	LS	method	limit/base	current	history1	history2
id Condition	Iron	ppm	ASTM D5185m	<u>⊳500</u>	64	76	105
condition of the oil is acceptable for the time in	Chromium	ppm	ASTM D5185m		<1	<1	<1
ce.	Nickel		ASTM D5185m		<1	0	0
		ppm				0	
	Titanium Silver	ppm	ASTM D5185m		<1		<1
		ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m		2	2	2
	Lead	ppm	ASTM D5185m		<1	<1	<1
	Copper	ppm	ASTM D5185m		2	4	2
	Tin	ppm	ASTM D5185m	>5	1	0	0
	Vanadium	ppm	ASTM D5185m		0	0	0
	Cadmium	ppm	ASTM D5185m		<1	0	0
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185m		0	1	1
	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		0	2	2
	Manganese	ppm	ASTM D5185m		1	<1	<1
	Magnesium	ppm	ASTM D5185m		16	22	24
	Calcium	ppm	ASTM D5185m		3175	2091	2331
	Phosphorus	ppm	ASTM D5185m		811	892	937
	Zinc	ppm	ASTM D5185m		1117	1075	1163
	Sulfur	ppm	ASTM D5185m		3987	4234	5289
	CONTAMINA	NTS	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185m		19	9	12
	Sodium	ppm	ASTM D5185m	2100	2	0	<1
	Potassium	ppm	ASTM D5185m	>20	1	<1	<1
	VISUAL		method	limit/base		history1	history2
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Precipitate			NONE	NONE		NONE
		scalar	*Visual			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	>.2	NEG	NEG	NEG
	Free Water	scalar	*Visual		NEG	NEG	NEG
	FLUID PROPI	ERTIES	method	limit/base	current	history1	history2
ort Id: KEMOZA [WUSCAR] 05985900 (Generated: 10/23/2023 ·	Visc @ 40°C 12:50:15) Rev: 1	cSt	ASTM D445	195	175	148	150 Submitted B



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c	SAMPLE IMAGES method limit/base	current	history1	history2
	Color	no image	no image	no image
Jan 57/18 Jan 57/18 May 1/20 Jan 15/22 Feb 28/23 Oct10/23	Bottom	no image	no image	no image
Jan May Jan Oct	GRAPHS			
	Iron (ppm)	Lead (ppm)		
8	1000	³⁰ I s		
	600 Abnormal	20		
ä		5 - Abnormal 5 -		~
	0ct14/10 Jun12/14 Jan25/18 May11/20 May11/20 Jan15/22 Feb28/23 0ct10/23	Oct14/10 Jun12/14	Jan 23/17 Jan 25/18 May 11/20	Jan 15/22 Feb 28/23
5 4 5 2 1 1 20 5 5 5 5 5	Aluminum (ppm)	Chromium (pp	om)	
	50 Severe	6 - Severe		
	40	5		
	§ 30 - Abnormal	3 Abnormal		
	20	2		
		1	\sim	\sim
	Oct14/10 Jun12/14 Jan23/17 Jan25/18 May11/20 May24/21 Jan15/22 Feb28/23 Oct10/23	0ct14/10	Jan 25/18 Jan 25/18 May 11/20	Jan 15/22 Feb 28/23 Oct10/23
	Copper (ppm)	Silicon (ppm)	, , 2 2	-, L U
	200 Severe 20			
	150	T I I I I I I I I I		
	100 - Abnormal	Abnormal		
	50	50 -	AM.	
			20 18	
	0ct14/10 Jun12/14 Jan23/17 Jan25/18 May11/20 May24/21 Jan15/22 Feb28/23 0ct10/23	Oct14/10 Jun12/14 Oct16/15	Jan 25/18 Jan 25/18 May 11/20	Jan 15/22 - Feb 28/23 - Oct10/23 -
	Viscosity @ 40°C	Additives		
	250 Abnormal 350 300	calcium		
	200 - Base 250	10 - sesses zinc	M	
	5 150 - Abnormal	00		N
ć.	100		-	Na
	V_J V 50	00	V	FV -
	8/10 - 2/14 - 2/14 - 2/14 - 2/14 - 4/21 - 4/21 - 4/21 - 2/23 - 2/23	0ct14/10	5/1/ + 5/18 - 1/20 -	5/22 8/23 0/23
	0ct14/10 Jun12/14 Jan25/18 May11/20 May11/20 Jan15/22 Feb28/23 0ct10/23	Oct14/10 Jun12/14 Oct16/15	Jan25/17 Jan25/18 May11/20 May24/21	Jan 15/22 Feb28/23 Oct10/23
Laboratory Sample No. Lab Number Unique Number	: WearCheck USA - 501 Madison Ave., Cary, NC 2751 : PCA0069763 Received : 20 Oct 2023 : 05985900 Diagnosed : 23 Oct 2023 : 10708562 Diagnostician : Wes Davis	-		46 N Hwy 309 Ozark, AR US 72949
Certificate L2367 Test Package	: MOB 1 contact Customer Service at 1-800-237-1369.		act: OZARK NC ozark@rivervalle	
* - Denotes test methods that a	re outside of the ISO 17025 scope of accreditation.			T:
	ifications are based on the simple acceptance decision rule	(JCGM 106:2012)		F: