

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Recommendation

changed.) Wear

oil.

service.

Contamination

Fluid Condition

Resample at the next service interval to monitor. (Customer Sample Comment: Pm3 performed. All oil samples taken. Engine oil, and all filters

There is no indication of any contamination in the

The condition of the oil is acceptable for the time in

All component wear rates are normal.

KEMP QUARRIES / PRYOR STONE [65064] **OHT058**

Component **Rear Right Final Drive**

PETRO CANADA PROD

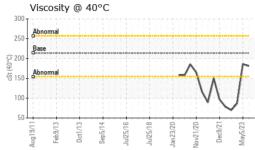
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0084060	PCA0083986	PCA0049012
Sample Date		Client Info		09 Aug 2023	05 May 2023	07 Nov 2022
Machine Age	hrs	Client Info		51041	50583	50124
Dil Age	hrs	Client Info		1540	1082	623
Dil Changed		Client Info		Oil Added	Oil Added	Oil Added
Sample Status				NORMAL	NORMAL	ATTENTION
WEAR METAI	LS	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>800	85	51	367
Chromium	ppm	ASTM D5185m	>10	<1	<1	1
Nickel	ppm	ASTM D5185m	>5	1	1	0
Fitanium	ppm	ASTM D5185m	>15	<1	<1	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>75	8	5	11
_ead	ppm	ASTM D5185m	>10	<1	0	1
Copper	ppm	ASTM D5185m		8	2	18
Fin	ppm	ASTM D5185m	>8	ء <1	2	<1
/anadium	ppm	ASTM D5185m	-	0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	0	0	<1
Barium	ppm	ASTM D5185m		0	0	0
Nolybdenum	ppm	ASTM D5185m	0	0	<1	<1
Manganese	ppm	ASTM D5185m		1	<1	2
Vagnesium	ppm		9	14	18	8
Calcium	ppm	ASTM D5185m		3700	3635	▲ 1059
Phosphorus	ppm	ASTM D5185m	1099	1076	1043	▲ 513
Zinc	ppm		1245	1331	1295	▲ 642
Sulfur	ppm		7086	5033	4868	▲ 2035
CONTAMINA		method	limit/base			
				current	history1	history2
Silicon	ppm	ASTM D5185m	>400	61	48	55
Sodium	ppm	ASTM D5185m ASTM D5185m	. 20	2 <1	3	0
	ppm				-	-
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	MODER	MODER
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	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPE	ERTIES	method	limit/base	current	history1	history2
Visc @ 40°C :51:36) Rev: 1	cSt	ASTM D445	213.9	181	186	▲ 86.7 Submi

Report Id: KEMPRY [WUSCAR] 05935707 (Generated: 08/28/2023 15:51:36) Rev: 1



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SAMPLE IMAGES method



	SAMPLE IMAGES	method	imit/base cu	rrent	nistory i	nistory2		
<u> </u>	Color		no in	nage	no image	no image		
Jut25/16 Jut25/18 Jan23/20 Dec9/21 May5/23	Bottom		no in	nage	no image	no image		
N Land	GRAPHS			·				
	Iron (ppm)			Lead (ppm)				
	600 - Severe		25 Severe					
	200		20-					
E d	800 - Abnormal		<u>۾</u> 15-					
	600 - 400 -		10 - Abnorma					
	200	m		$\overline{}$	h	ma		
	Aug19/11 Feb9/13 Oct1/13 Sep5/14 Jul25/18	Jan23/20 - Nov21/20 - Dec9/21 -	Aug19/11-	0ct1/13	Sep5/14 - Jul25/16 - Jul25/18 - Jan23/20 -	Nov21/20 - Dec9/21 - May5/23 -		
		Jan Nov				Nov D		
	Aluminum (ppm)		20 T	nium (pp	om)			
	Severe		25 - Severe					
Ę	100-		20 - 톱 15 -					
4	Abnormal		10 Abnorma		· · · · · · · · · · · · · · · · · · ·			
	50		5					
		20		13	716	Z0 Z1 Z3 Z3 Z3 Z2		
	Aug19/11 Feb9/13 Oct1/13 Sep5/14 Jul25/16	Jan 23/20 Nov21/20 Dec9/21	Aug19/11 Feb9/13	0ct1/13	Jul25/16 Jul25/18 Jan23/20	Nov21/20 Dec9/21 May5/23		
	Copper (ppm)		Silicon	(ppm)				
	Severe		800 Severe					
	150		600-					
E.d.	100 - Abnormal		400 - Abnorma					
	50		200 -					
	Aug19/11 Feb9/13 Oct1/13 Sep5/14 Jul25/16	Jan 23/20 Nov21/20 Dec9/21		0ct1/13	Sep5/14 Jul25/16 Jul25/18	Nov21/20 Dec9/21 May5/23		
	⊲ Viscosity @ 40°C		 Additi			2 -		
	Abnormal		4000 J	- calcium		r		
	250 - Base		3000 -	m phosphorus	MAR	\sim 1		
t (40°C)	200 - Abnormal		2500 重2000	~		\A		
		$\langle \Lambda \rangle$	1500	-	and the second	NIF		
	100	10	500	aster a.		W		
	Aug19/11 Feb9/13 Oct1/13 Sep5/14 Jul25/16	Jan 23/20 Nov21/20 Dec9/21	Aug19/11	0ct1/13	Sep5/14 - Jul25/16 - Jul25/18 - Jan23/20 -	Nov21/20 - Dec9/21 - May5/23 -		
	Aug Fe Juli	Jan Novi	Aug	00	Jul Jul	Nov D∈ Ma		
Laboratory	: WearCheck USA - 501 Ma			Kemp C	Quarries - Pryo			
Sample No. Lab Number	: PCA0084060 Received State St					1050 E 520 Rd Pryor, OK		
Unique Number	: 10620978 Diagn	ostician : Don B				US 74361		
Certificate L2367 Test Package To discuss this sample report, c	: MOB 1 ontact Customer Service at	1-800-237-1369.			pryor@r	Contact: pryorstone.com		
* - Denotes test methods that ar	e outside of the ISO 17025 s	scope of accreditat		06.0010		T: F:		
Statements of conformity to speci	ications are based on the SIM	ріе ассеріансе дес	SIGH TUIE (JUGINT I	00.2012)	1	F:		

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