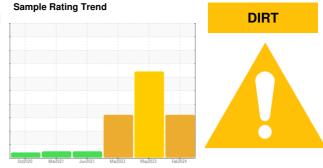


OIL ANALYSIS REPORT





KEMP QUARRIES / RIVER VALLEY OZARK OHT113

Component Hydraulic System

PETRO CANADA HYDREX AW 68 (--- GAL)

DIAGNOSIS			mathad	limit/base	current	biotonut	history ()
	SAMPLE INFOR			innit/base		history1	history2
A Recommendation	Sample Number		Client Info		PCA0084434	PCA0084655	PCA0048228
We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor.	Sample Date		Client Info		20 Feb 2024	01 May 2023	18 Mar 2022
	Machine Age	hrs	Client Info		25814	25814	24551
	Oil Age	hrs	Client Info		24551	24551	21870
A Wear	Oil Changed		Client Info		N/A	N/A	Changed
The iron level is abnormal.	Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
Contamination Elemental levels of silicon (Si) and aluminum (Al)	CONTAMINAT	ION	method	limit/base		history1	history2
indicate alumina-silicate (coarse dirt) ingress.	Water		WC Method	>0.1	NEG	NEG	NEG
Fluid Condition The condition of the oil is acceptable for the time in	WEAR METAL		method	limit/base		history1	history2
service.	Iron	ppm	ASTM D5185m	>20	<mark>▲</mark> 34	▲ 79	42
	Chromium	ppm	ASTM D5185m		2	<1	2
	Nickel	ppm	ASTM D5185m	>10	10	0	9
	Titanium	ppm	ASTM D5185m		<1	<1	<1
	Silver	ppm	ASTM D5185m		0	1	0
	Aluminum	ppm	ASTM D5185m		6	23	8
	Lead	ppm	ASTM D5185m		<1	2	0
	Copper	ppm	ASTM D5185m		1	<u> </u>	3
	Tin	ppm	ASTM D5185m	>10	0	<1	0
	Antimony	ppm	ASTM D5185m				
	Vanadium	ppm	ASTM D5185m		<1	0	0
	Cadmium	ppm	ASTM D5185m		0	0	0
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185m	0	6	2	4
	Barium	ppm	ASTM D5185m	0	0	0	0
	Molybdenum	ppm	ASTM D5185m	0	4	2	3
	Manganese	ppm	ASTM D5185m	0	<1	1	<1
	Magnesium	ppm	ASTM D5185m	0	25	27	29
	Calcium	ppm	ASTM D5185m	50	150	2889	200
	Phosphorus	ppm	ASTM D5185m	330	357	976	393
	Zinc	ppm	ASTM D5185m	430	448	1204	414
	Sulfur	ppm	ASTM D5185m	760	731	5057	913
	CONTAMINAN	ITS	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185m	>20	<u> </u>	A 39	A 33
	Sodium	ppm	ASTM D5185m		2	2	0
	Potassium	ppm	ASTM D5185m	>20	1	5	0
	VISUAL		method	limit/base		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	LIGHT	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
	4		43.77			1150	O dum bu u D

scalar *Visual

NEG

NEG



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