

OIL ANALYSIS REPORT

Sample Rating Trend

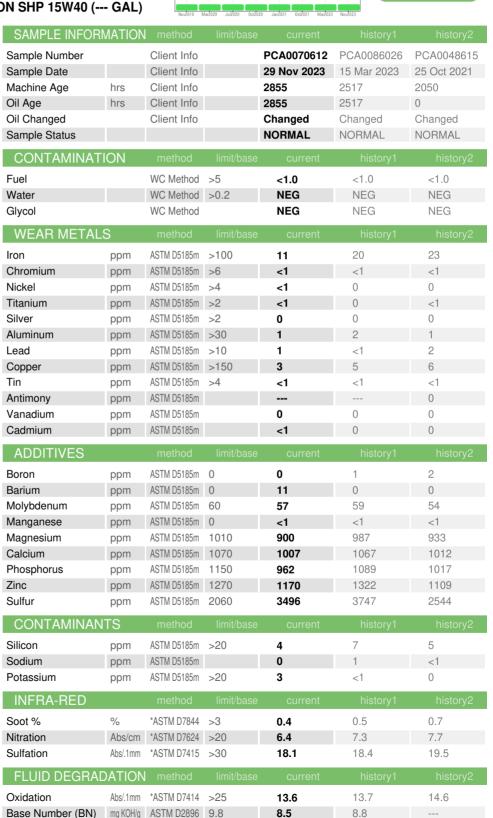




KEMP QUARRIES / BCS - MILL CREEK [64677] Machine Id OHT103 Component

Diesel Engine

PETRO CANADA DURON SHP 15W40 (--- GAL)



DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. (Customer Sample Comment: PM-1 changed filters and fluid)

Wear

All component wear rates are normal.

Contamination

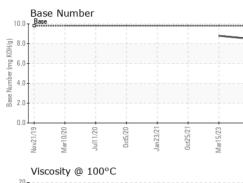
There is no indication of any contamination in the oil.

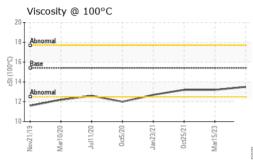
Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.



OIL ANALYSIS REPORT





		VISUA	L			meth	nod	limit/l	oase	CL	urrent		hist	tory1		histor	y2	
		White Met	al	S	calar	*Visua	al	NONE		NO	NE		NON	E	Ν	IONE		
		Yellow Me	tal	S	calar	*Visua	al	NONE		NO	NE		NON	E	N	IONE		
		Precipitate			calar	*Visua	al	NONE		NO	NE		NON			IONE		
		Silt			calar	*Visua		NONE		NO			NON			IONE		
		Debris			calar	*Visua		NONE		NO			NON			IONE		
		Sand/Dirt				*Visua		NONE		NO			NON			IONE		
23					calar					-								
Mar15/23			ce		calar	*Visua		NORM		-	RML		NOR			IORM		
M N		Odor			calar	*Visua		NORM	1L	-	RML		NOR			IORM	L	
		Emulsified		S	calar	*Visua		>0.2		NEC	-		NEG		Ν	IEG		
		Free Wate	er	S	calar	*Visua	al			NEC	G		NEG		Ν	IEG		
		FLUID				meth		limit/l	base		urrent			tory1		histor	y2	
		Visc @ 10		C	St	ASTM	D445	15.4		13.5	5		13.2		1	3.2		
		GRAP								Lead	(nnm							
	200								25	T 7	(ppn							
5/23	150	Severe							20	Severe								
Mar15/23	표 100	Abnormal							E 15-									
					1	l			^남 10-	Abnorm	al							
	50	\sim							5			-						
	(_		-			0		-		_		-		-	
		Nov21/19 Mar10/20	Jul11/20	0ct5/20	Jan 23/21-	0ct25/21	Mar15/23	Nov29/23		Nov21/19	Mar10/20	Jul11/20	0ct5/20	Jan 23/21	0ct25/21	Mar15/23	Nov29/23	
		Mov	Jul	0	Jan	Oct	Mar	Novi		Nov	Mar	Jul	0	Jan	Oct	Mar	Novi	
		Aluminu	m (ppm	ı)						Chro	mium	(ppn	n)					
	80	T.							25	1								
	60	Severe						1	20	Severe								
	표 네 4(E 15									
	습 위	Abnormal						1	8 10-	-								
	20)							5	Abnorm	al							
	(_		0	_	-	_				_	_	
		Nov21/19 Mar10/20	Jul11/20	0ct5/20	Jan 23/21	0ct25/21	Mar15/23	Nov29/23		Nov21/19	Mar10/20	Jul11/20	0ct5/20	Jan 23/21	0ct25/21	Mar15/23	Nov29/23	
		Novž	Jul	00	Jan	Oct	Mar'	Novà		Novi	Mar	Jul	0	Jan	Oct	Mar	Nov	
			Copper (ppm)									Silicon (ppm)						
	400	T.							50									
	300) - Severe							40	Severe								
	특 200								E 30									
	8200	Abnormal							H 20-	Abnorm	al							
	100)							10									
	(0		-	-			-		_	
		Nov21/19 Mar10/20	Jul11/20	0ct5/20	Jan 23/21	0ct25/21	Mar15/23	Nov29/23		Nov21/19	Mar10/20	Jul11/20	0ct5/20	Jan 23/21	0ct25/21	Mar15/23	Nov29/23 -	
			-		Jar	00	Mar	Nov		Nov	Mai	ηn	Ó	Jar	00	Mar	Nov	
		Viscosity	@ 100	°C					10.0	Base	Num	ber						
	20	1 1							(B/H 0.0									
	18 6	T 1						1	8.0 g KOH	+								
	cSt (100°C)								Base Number (mg KOH/g) 4.0									
	ु दुरु 14	Abnormal							quint 4.0									
	12	2							ase 2.0	1								
	1(1	~	57	0.0	6	-	-						
		Nov21/19 Mar10/20	Jul11/20	0ct5/20	Jan23/21	0ct25/2	Mar15/23	Nov29/23		Nov21/19	Mar10/20	Jul11/20	0ct5/20	Jan 23/21	0ct25/2	Mar15/23	Nov29/23	
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To discuss this sample report * - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Certificate L2367

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