

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

O1 Component

Diesel Engine

AMSOIL SYN XL 7500 SAE 5W20 (--- QTS)

DIAGNOSIS

A Recommendation

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

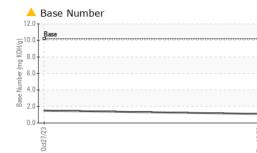
The BN level is low. The condition of the oil is acceptable for the time in service.

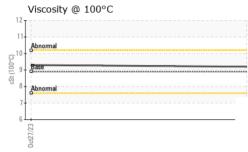
			0ct2023	Dec2023		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0071101	PCA0071109	
Sample Date		Client Info		18 Dec 2023	27 Oct 2023	
Machine Age	mls	Client Info		60970	55000	
Oil Age	mls	Client Info		5100	5300	
Oil Changed		Client Info		Changed	Changed	
Sample Status				ABNORMAL	ABNORMAL	
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	
Water		WC Method	>0.2	NEG	NEG	
Glycol		WC Method		NEG	NEG	
WEAR METAL	.S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	7	6	
Chromium	ppm	ASTM D5185m	>20	<1	<1	
Nickel	ppm		>4	<1	<1	
Titanium	ppm	ASTM D5185m		<1	<1	
Silver	ppm	ASTM D5185m	>3	0	0	
Aluminum	ppm	ASTM D5185m	>20	3	2	
Lead	ppm	ASTM D5185m	>40	0	<1	
Copper	ppm	ASTM D5185m		36	33	
Tin	ppm	ASTM D5185m	>15	0	0	
Vanadium	ppm	ASTM D5185m	210	0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES	ppin	method	limit/base	-	-	history
			IIIIIVDase	current	history1	history2
Boron	ppm	ASTM D5185m		230	157	
Barium	ppm	ASTM D5185m		9	0	
Molybdenum	ppm	ASTM D5185m		210	186	
Manganese	ppm	ASTM D5185m		<1	<1	
Magnesium	ppm	ASTM D5185m		881	808	
Calcium	ppm	ASTM D5185m		1190	1075	
Phosphorus	ppm	ASTM D5185m		738	648	
Zinc	ppm	ASTM D5185m		783	724	
Sulfur	ppm	ASTM D5185m		3364	2835	
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	9	8	
Sodium	ppm	ASTM D5185m		1	4	
Potassium	ppm	ASTM D5185m	>20	2	2	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.1	0.1	
Nitration	Abs/cm	*ASTM D7624		11.1	11.0	
Sulfation	Abs/.1mm	*ASTM D7415	>30	61.2	62.9	
FLUID DEGRAI		method	limit/base	current	history1	history2
Oxidation	Abs/ 1mm	*ASTM D7414	>25	63.9	64.4	
Oxidation	Abs/.1mm	*ASTM D7414	>25	63.9	64.4	



OIL ANALYSIS REPORT

VISUAL





	VICONE		motilou	initia babb	ourront	motory	inotory 2
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
	Precipitate	scalar	*Visual	NONE	NONE	NONE	
	Silt	scalar	*Visual	NONE	NONE	NONE	
	Debris		*Visual	NONE	NONE	NONE	
		scalar					
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
Dec18/23	Appearance	scalar	*Visual	NORML	NORML	NORML	
De	Odor	scalar	*Visual	NORML	NORML	NORML	
٥°C	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	
	Free Water	scalar	*Visual		NEG	NEG	
	FLUID PROPE	BTIES	method	limit/base	current	history1	history2
	Visc @ 100°C	cSt	ASTM D445		9.2	9.3	
	GRAPHS						
	Ferrous Alloys						
	¹⁰						
	8+						
	nickel						
	6-						
	udd						
	4						
	2-						
	53	*****		23			
	0ct27/23			Dec18/23			
	_	1-					
	Non-ferrous Meta	IS					
	35 - copper						
	30 -						
	25 -						
	Ē_20-						
	15-						
	10						
	5-						
	0ct27/23			Dec18/23			
	Oct			Dec			
	Viscosity @ 100°C	2			🔺 Base Number		
	11-			12			
	10.5 Abnormal			10	0.0 - Base		
	10			B/HO)	8.0		
	9.5 - Base						
5	3 8.5			mber 1	5.0		
	8 Abnormal			N as	ł.0 -		
	7.5			2	2.0		
	6.5).0		
							3/23 -
	0ct27/23			Dec18/23	0ct27/23		Dec18/23
Laboratory	: WearCheck USA -	501 Madi			3 **		
Sample No.		Recieved		AMERICAN NATURAL SUPPLY 12475 RTE 119 HWY N ROCHESTER MILLS, PA			
Lab Number		Diagnos					
Unique Number	: 10806003	Diagnost		an Felton			US 15771
Certificate L2367 Test Package				_			COTT KINTER
To discuss this sample report,						skinter@ameri	cannatural.com
* - Denotes test methods that a Statements of conformity to spec					(ICGM 106-2012	1	T: F:
Statements of comonnity to spec	Sincations are Daseu OII l	ne simple	acceptance	iecision nule	(JUGIVI 100.2012)		г.

limit/base

current

method

history1

history2