

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

SKIMMER HPU PC11 Component

Hydraulic System {not provided} (--- GAL)

DIAGNOSIS

Recommendation

Little or no information is provided as to the component and lubricant being tested. Recommendations are therefore generic in nature and may not apply to the current application. Please forward information as to equipment type, reservoir capacity, lubricant type and any pertinent information to allow for a more accurate assessment. Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

Wear

All component wear rates are normal.

Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

				Feb2024		
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PC		
Sample Date		Client Info		15 Feb 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
CONTAMINA	ΓΙΟΝ	method	limit/base	current	history1	history2
Water		WC Method	>0.05	NEG		
WEAR METAI	LS	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>20	<1		
Chromium	ppm	ASTM D5185(m)	>20	0		
Nickel	ppm	ASTM D5185(m)	>20	0		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)		0		
Aluminum	ppm	ASTM D5185(m)	>20	<1		
Lead	ppm	ASTM D5185(m)	>20	<1		
Copper	ppm	ASTM D5185(m)	>20	<1		
Tin	ppm	ASTM D5185(m)	>20	0		
Antimony	ppm	ASTM D5185(m)		0		
Vanadium	ppm	ASTM D5185(m)		0		
Beryllium	ppm	ASTM D5185(m)		0		
Cadmium	ppm	ASTM D5185(m)		0		
			11 1. 1		100 A	history.0
ADDITIVES		method	limit/base	current	history1	history2
	ppm	ASTM D5185(m)	limit/base	0	history1	nistory2
Boron	ppm ppm		limit/base			
Boron Barium		ASTM D5185(m)	limit/base	0		
Boron Barium Molybdenum	ppm	ASTM D5185(m) ASTM D5185(m)	limit/base	0 0		
Boron Barium Molybdenum Manganese	ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	limit/base	0 0 0		
Boron Barium Molybdenum Manganese Magnesium	ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)		0 0 0 0		
Boron Barium Molybdenum Manganese Magnesium Calcium	ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	limit/base	0 0 0 <1		
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)		0 0 0 <1 1	 	
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)		0 0 0 <1 1 21	 	
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)		0 0 0 <1 1 21 7	 	
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	limit/base	0 0 0 <1 1 21 7 256	 	
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINAN	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)		0 0 0 <1 1 21 7 256 <1		
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINAI Silicon	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	limit/base	0 0 0 <1 1 21 7 256 <1	 history1	 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	limit/base	0 0 0 <1 1 21 7 256 <1 256 <1 256	 history1 	 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINAI Silicon Sodium	ppm ppm ppm ppm ppm ppm ppm ppm ppm vTS	ASTM D5185(m) ASTM D5185(m)	limit/base	0 0 0 <1 1 21 7 256 <1 256 <1 256 <1 20	 history1	 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINAN Silicon Sodium Potassium	ppm ppm ppm ppm ppm ppm ppm ppm ppm vTS	ASTM D5185(m) ASTM D5185(m)	limit/base >15 >20	0 0 0 <1 1 21 7 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 <1 256 1 256 256 256 256 256 256 2	 history1 	 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINAI Silicon Sodium Potassium FLUID CLEAN Particles >4µm	ppm ppm ppm ppm ppm ppm ppm ppm ppm vTS	ASTM D5185(m) ASTM D5185(m)	limit/base >15 >20 limit/base	0 0 0 <1 1 1 21 7 256 <1 256 <1 256 <1 21 1 0 <1 20 0 1 0 0	 history1 history1	 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINAI Silicon Sodium Potassium FLUID CLEAN Particles >4µm Particles >6µm	ppm ppm ppm ppm ppm ppm ppm ppm ppm vTS	ASTM D5185(m) ASTM D5185(m)	limit/base >15 >20 limit/base >5000	0 0 0 2 3 4 1 1 2 1 7 2 5 6 <1 2 5 6 <1 2 5 6 <1 2 1 0 <1 2 1 0 <1 2 1 0 2 5 1 2 2 5 6 <1 1 1 2 1 7 2 5 6 <1 1 1 2 1 7 2 5 6 3 4 1 2 1 2 1 2 1 2 5 6 3 4 1 2 1 2 1 2 1 2 5 6 3 4 1 2 1 2 1 2 1 2 5 6 3 4 1 2 1 2 5 6 3 1 2 1 2 5 1 2 5 1 2 5 1 2 5 1 2 5 1 2 5 1 2 5 1 2 5 1 2 5 1 2 5 1 2 5 1 2 5 1 2 5 1 2 5 1 2 5 5 5 5	 history1 history1 history1	 history2 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINAI Silicon Sodium Potassium FLUID CLEAN Particles >4µm Particles >14µm	ppm ppm ppm ppm ppm ppm ppm ppm ppm vTS	ASTM D5185(m) ASTM D5185(m)	limit/base >15 >20 limit/base >5000 >1300 >160	0 0 0 -1 1 21 7 256 <1 <u>current</u> 1 0 <1 <u>current</u> 2109 358	 history1 history1 history1	 history2 history2 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINAI Silicon Sodium Potassium FLUID CLEAN Particles >4µm Particles >6µm Particles >21µm	ppm ppm ppm ppm ppm ppm ppm ppm ppm vTS	ASTM D5185(m) ASTM D7647 ASTM D7647	limit/base >15 >20 limit/base >5000 >1300 >160	0 0 0 2 3 1 1 2 1 7 2 5 6 3 1 2 5 6 3 1 2 5 6 3 1 2 1 0 3 5 8 3 0	 history1 history1	 history2 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINAN Silicon Sodium Potassium FLUID CLEAN Particles >4µm Particles >6µm Particles >21µm Particles >38µm	ppm ppm ppm ppm ppm ppm ppm ppm ppm vTS	ASTM D5185(m) ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	limit/base >15 >20 limit/base >5000 >1300 >160 >40 >10	0 0 0 2 3 1 2 1 2 2 5 6 3 1 0 2 5 6 3 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 1 0 2 5 6 2 1 1 2 5 6 2 5 6 2 1 1 2 5 6 2 5 6 2 1 2 5 6 2 3 5 8 3 30 9 9	 history1 history1 history1	 history2 history2 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINAI Silicon Sodium Potassium	ppm ppm ppm ppm ppm ppm ppm ppm ppm vTS	ASTM D5185(m) ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	imit/base >15 >20 imit/base >5000 >1300 >160 >40 >10 >3	0 0 0 2 1 1 2 1 7 256 <1 256 <1 2 1 0 <1 2 1 0 <1 2 1 0 <1 2 109 358 30 9 9 2	 history1 history1 	



9

(100°C) cSt ()

6k

Ê 5k

hanticles (1 n 3k ja 2k la 1k 0k Feb15/24

9.

cSt (100°C)

52. Abnormal

50 48 () 0€ 46 . تق 44 42

61

Ê 5k

1) sa iting 3k ja 2k 2 1k 0k · Feb15/24

미성성

Abnormal 40 38 Feb15/24

OIL ANALYSIS REPORT

Viscosity @ 100°C	FLUID DEGRA	DATION	method	limit/base	current	history1	history2
8	Acid Number (AN)	mg KOH/g	ASTM D974*		0.48		
Abnormal	VISUAL		method	limit/base	current	history1	history2
6	White Metal	scalar	Visual*	NONE	NONE		
Abnormal 5	Yellow Metal	scalar	Visual*	NONE	NONE		
4	Precipitate	scalar	Visual*	NONE	VLITE		
Feb 15/24	Silt	scalar	Visual*	NONE	NONE		
Feb 1	Debris		Visual*	NONE	NONE		
Particle Trend	Sand/Dirt		Visual*	NONE	NONE		
k4μm	Appearance		Visual*	NORML	NORML		
k - Οποιτιατία 6μm	Odor Emulsified Water		Visual* Visual*	NORML >0.05	NORML NEG		
k	Free Water		Visual*	>0.05	NEG		
k =	FLUID PROPE		method	limit/base	current	history1	history2
k -	Visc @ 40°C		ASTM D7279(m)		45.8		
	Visc @ 100°C		ASTM D7279(m) ASTM D7279(m)		45.8 6.9		
Feb 15/24 Feb 15/24	Viscosity Index (VI)		ASTM D2270*		106		
2				Provide Anna anna		In the transmitter	la facta a su o
Viscosity @ 100°C	SAMPLE IMAG	15	method	limit/base	current	history1	history2
0							
Abnormal	Color					no image	no image
					the state		
6 Abnormal							
5	Bottom					no image	no image
54 +							
Feb 15/24 Feb 15/24				_			
LL LL	GRAPHS						
	GRAPHS Ferrous Alloys				Particle Count	:	
Viscosity @ 40°C	Ferrous Alloys			491,520			T ²⁶
	Ferrous Alloys			491,520			-24
Viscosity @ 40°C	Ferrous Alloys			122,880 30,720	Severe		-24
Viscosity @ 40°C	Ferrous Alloys			122,880	Severe		-24
Viscosity @ 40°C	Ferrous Alloys			122,880 30,720 47,680 1,920 47,680 1,920 98	Severe		-24
Viscosity @ 40°C	Ferrous Alloys	5		122,880 30,720 42/51(92 42) 1,920 1,920 480 480	Severe		-24 -22 -20 406:1999 -18 999 -16 Cla
Viscosity @ 40°C	Ferrous Alloys	s		122,880 30,720 42/51(92 42) 1,920 1,920 480 480	Severe		-24 -22 -20 406:1999 -18 999 -16 Cla
Viscosity @ 40°C	Ferrous Alloys	s		122.880 30.720 725(192 92 92 92 92 92 92 92 92 94 94 90 94 90 94 90 94 90 94 90 94 90 94 90 94 90 94 90 94 90 94 90 94 90 94 90 90 90 90 90 90 90 90 90 90 90 90 90	Severe		-24 -22 -20 ISO 4406:1999 Cleaniness -16 -114 -114 -114 -112 Code
Viscosity @ 40°C	Ferrous Alloys	s		122.880 30.720 TE 7.680 42/515 42 42/515 42 480 480 480 480 480 480 480 480 480 480	Severe		-24 -22 -20 406:1999 -18 999 -16 Cla
Viscosity @ 40°C	Ferrous Alloys	s		122.880 30.720 TE 7.680 42/515 42 42/515 42 480 480 480 480 480 480 480 480 480 480	Severe		-24 -22 -20 ISO 4406:1999 Cleaniness -16 -114 -114 -114 -112 Code
Viscosity @ 40°C	Ferrous Alloys	S		122.880 30.720 10 7.680 10 1.920 10 1.9200 10 1.9200 10 1.9200 10 1.9200 10 1.9200 10 1.9200	Abnormal	14μ 21μ	-24 -22 -20 ISO 4406:1999 Cleaniness -16 -114 -114 -114 -112 Code
Viscosity @ 40°C	Ferrous Alloys	s		122.880 30.720 10.512 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.920 1.9200 1.9200 1.9200 1.9200 1.9200 1.9200 1.9200 1.9200 1.9200 1.9200 1.9200 1.9200 1.9200 1.9200 1.9200 1.92000 1.9200 1.9200 1.9200 1.92000 1.92000 1.92000 1.9200000 1.92000000000000000000000000000000000000	Abnormal		-24 -22 -20 4406:1999 Cleaniness Code -14 -114 -114 -112 -112 -112 -112 -112 -
Viscosity @ 40°C	Ferrous Alloys	S		1222.880 30.720 1925199 9999999999999999999999999999999	Abnormal		-24 -22 -20 4406:1999 Cleaniness Code -14 -114 -114 -112 -112 -112 -112 -112 -
Viscosity @ 40°C	Ferrous Alloys	S		1222.880 30.720 1925199 9999999999999999999999999999999	Abnormal		-24 -22 -20 4406:1999 Cleaniness Code -14 -114 -114 -112 -112 -112 -112 -112 -
Viscosity @ 40°C	Ferrous Alloys	S		122.880 30.720 10 1 20.80 10 1 20.90 10 10 10 10 10 10 10 10 10 10 10 10 10 1	Abnormal		-24 -22 -20 4406:1999 Cleanliness Code -14 -112 Code -10
Viscosity @ 40°C	Ferrous Alloys	S		1222.880 30.720 1925199 9999999999999999999999999999999	Abnormal		-24 -22 -20 4406:1999 Cleaniness Code -14 -114 -114 -112 -112 -112 -112 -112 -
Viscosity @ 40°C	Ferrous Alloys			122.880 30.720 100000000000000000000000000000000000	Abnormal	14μ 21μ	-24 -22 -20 4406:1999 Cleantiness Code -14 -14 -112 Code -10 -10
Viscosity @ 40°C	Ferrous Alloys	5 Appleby Receiv	r ed :16	1122.880 30.720 1122.880 1122.880 1122.880 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.9200 11.9200 11.9200 11.9200 11.9200 11.9200 11.9200 11.9200 11.9200 11.9200 11.9200 11.9200 11.9200 11.9200 11.9200 11.9200 11.9200 11.9200 11.9200 11.9200 11.9200 11.9200 11.9200 11.920	Abnormal	1 ⁴ µ 2 ¹ µ	-24 -22 -20 4406:1999 Cleantiness Code -14 -14 -12 Code -14 -12 Code -14 -14 -12 Code -14 -14 -12 Code -14 -14 -12 Code -14 -14 -12 Code -14 -14 -14 -14 -14 -14 -14 -14 -14 -14
Viscosity @ 40°C	Ferrous Alloys	5 Appleby Receiv Tested	r ed :16	1122.880 30.720 1127.880 1127.880 1127.99 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920	Abnormal Abnormal Acid Number 5H9 Petro-C	1 ⁴ µ 2 ¹ µ	224 -22 -20 4406:1999 Cleantiness Code -14 18 90 Cleantiness Code -14 -12 Code -14 -12 Code -10 -14 -14 -14 -14 -14 -14 -14 -14 -14 -14
Viscosity @ 40°C	Ferrous Alloys	5 Appleby Receiv Tested Diagno	red : 16 : 20 osed : 20	1122.880 30.720 1122.880 1122.880 1122.880 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.920 11.9200 11.9200 11.9200 11.9200 11.9200 11.9200 11.9200 11.9200 11.9200 11.9200 11.9200 11.9200 11.9200 11.9200 11.9200 11.9200 11.9200 11.9200 11.9200 11.9200 11.9200 11.9200 11.9200 11.920	Abnormal Abnormal Acid Number 5H9 Petro-C	anada Technical/	-24 -22 -20 4406:1999 Cleantiness Code -14 -14 -12 Code -14 -12 Code -14 -14 -12 Code -14 -14 -12 Code -14 -14 -12 Code -14 -14 -12 Code -14 -14 -14 -14 -14 -14 -14 -14 -14 -14
Viscosity @ 40°C	Ferrous Alloys	5 Appleby Receiv Tested Diagno sts: KV100, ice at 1-80	red : 16 I : 20 Desed : 20 , VI) 20-268-2131	1122.880 30,720 10 11,920 11,920 11,920 11,920 120 120 120 120 120 120 120 120 120 1	Abnormal Abnormal Acid Number 5H9 Petro-C /es Davis	anada Technical/ M Contact: E Behshad.Sabah(224 220 406:1999 Cleantiness Code 14 16 12 12 12 14 16 12 14 16 12 12 16 12 16 17 19 19 10 10 10 10 10 10 10 10 10 10
Viscosity @ 40°C	Ferrous Alloys	5 Appleby Receiv Tested Diagno sts: KV100, ice at 1-80 rethod moc	red : 16 : 20 osed : 20 , VI) :0-268-2131 dified, (e) te	1122.880 30,720 10 11,920 11,920 11,920 11,920 120 120 120 120 120 120 120 120 120 1	Abnormal Abnormal Acid Number 5H9 Petro-C Ves Davis	anada Technical/ M Contact: E Behshad.Sabah@ T:	224 -22 -20 -10 -16 -12 -16 -12 -12 -12 -14 -12 -14 -12 -14 -12 -14 -12 -14 -12 -14 -12 -14 -12 -14 -12 -14 -12 -14 -12 -14 -12 -14 -12 -14 -12 -14 -12 -14 -12 -14 -14 -12 -14 -12 -14 -14 -12 -14 -14 -12 -14 -12 -14 -12 -14 -12 -14 -12 -14 -12 -14 -12 -14 -12 -14 -12 -14 -12 -14 -12 -14 -12 -14 -12 -14 -12 -14 -12 -14 -14 -12 -14 -14 -14 -12 -14 -14 -14 -14 -14 -14 -12 -14 -14 -14 -14 -14 -14 -14 -14

Contact/Location: PETMISTM - Behshad Sabah - PCA_129713